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ABSTRACT

This volume presents data for the U.S. and Canadian libraries that were members of the Association of Research Libraries (ARL) during the 1991-92 fiscal year. The ARL membership consisted of 108 university libraries and 12 public or private independent research libraries. Overall, the 1991-92 statistics offer a gloomy view of the traditional research library, with declining serial subscriptions and monograph acquisitions, fewer staff, budgets falling behind, or budgets barely keeping up with inflation. This view is relieved somewhat by the promise of access provided by interlibrary borrowing and lending. A lengthy table lists the member libraries, with statistics for several categories in the general areas of collections, interlibrary loans, and expenditures. A summary table indicates totals in these categories. Two tables provide (1) an analysis of selected variables of university libraries; and (2) Ph.D., faculty, and enrollment statistics. Eighteen tables then present rank order variables for member libraries. The questionnaire used to gather the statistics and its cover letter are included. Extensive notes (31 pages) add information to the tables. (SLD)

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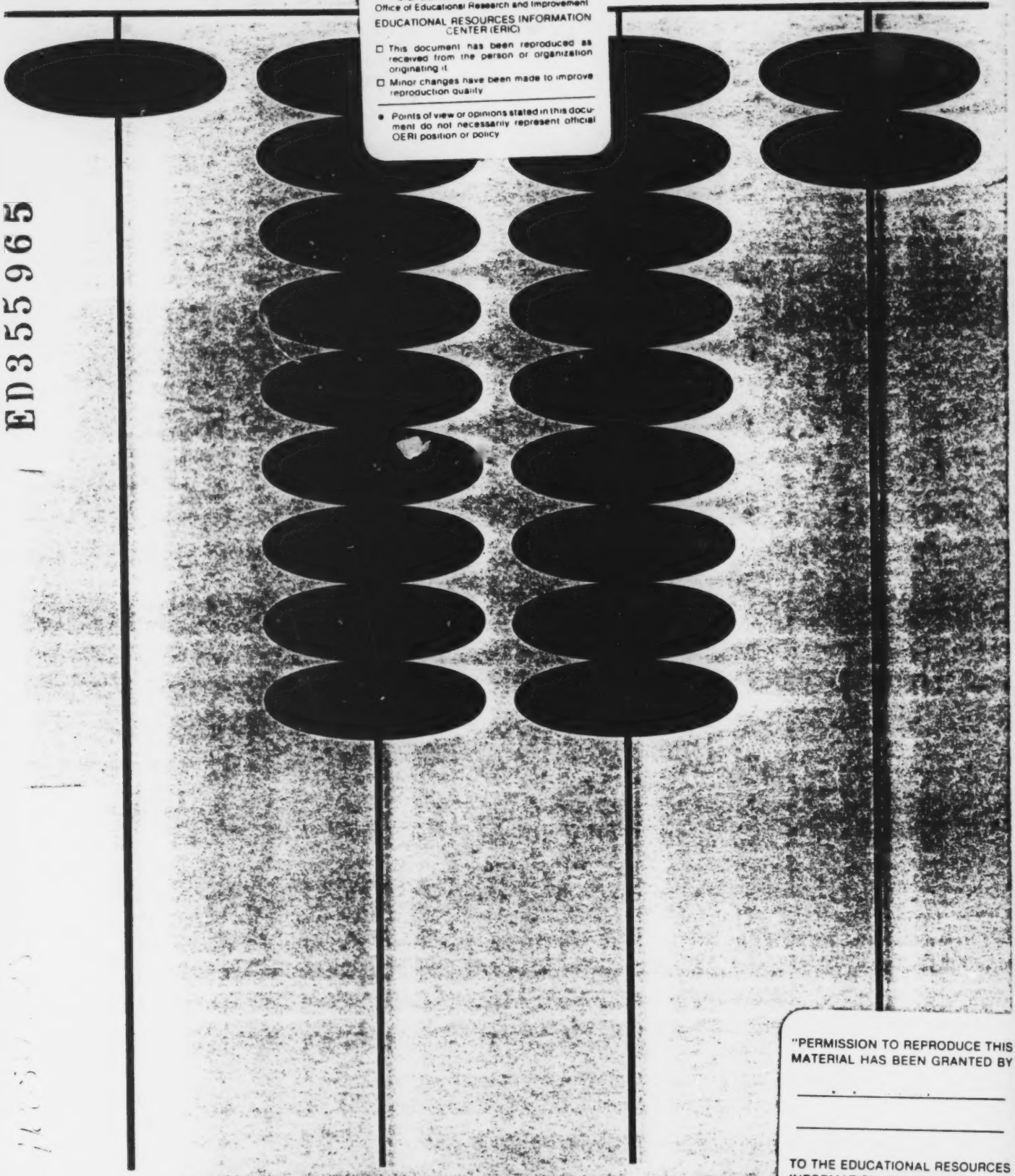

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ARL STATISTICS, 1991-92

ARL STATISTICS
1991-92

A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND TWENTY MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

Compiled by
Nicola Daval
and
Patricia Brennan

ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
1993

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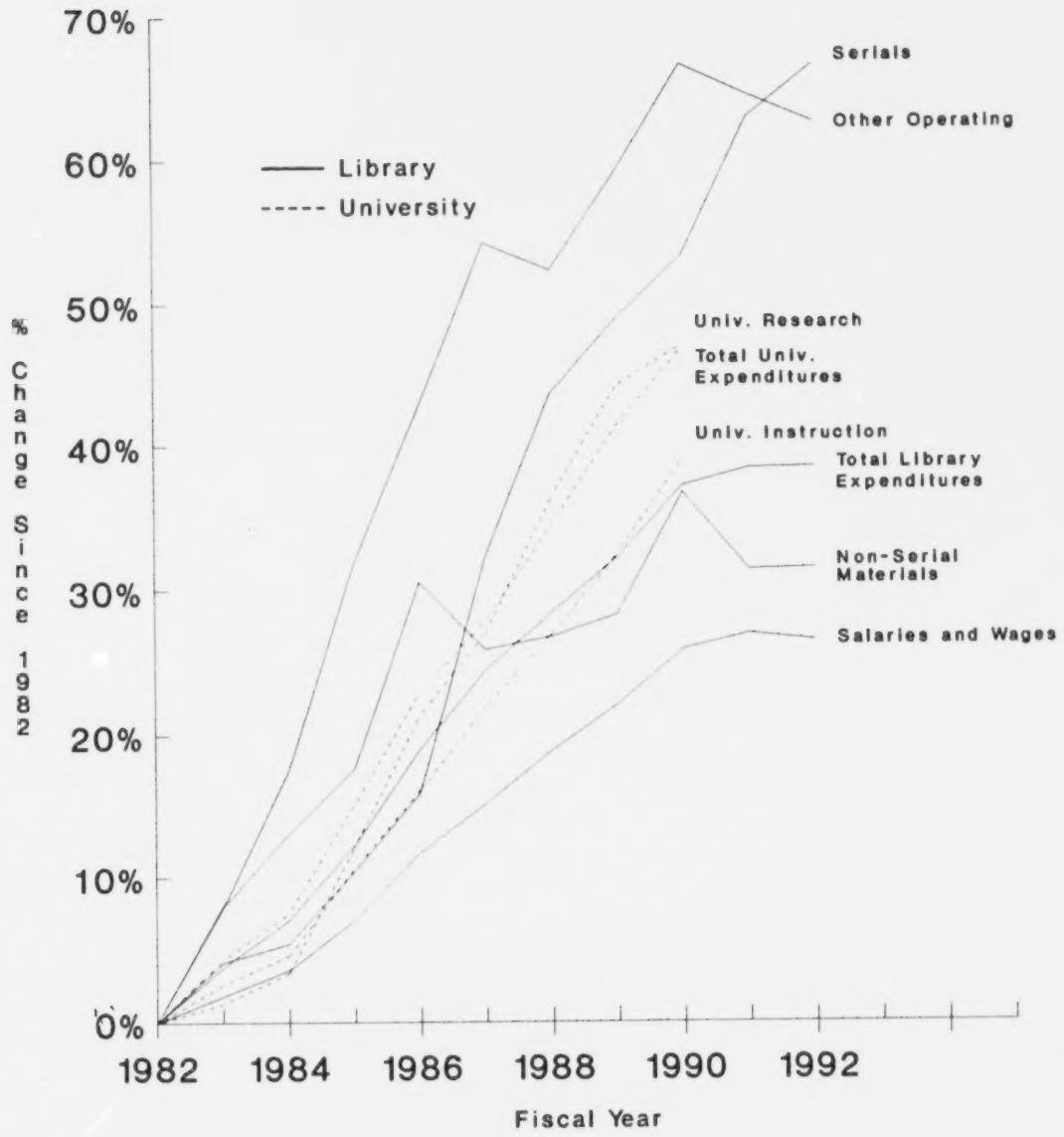
ARL Library and U.S. ARL University Expenditures, 1982-1992, In Constant (1982) Dollars



INTRODUCTION

The 1991-92 *ARL Statistics* presents data for the U.S. and Canadian libraries that were members of the Association of Research Libraries during the 1991-92 fiscal year. The ARL membership consisted of 108 university libraries and 12 public or private, independent research libraries. Auburn University became a member of the Association during the year, and is represented in these statistics for the first time.

1991-92 is the second year in which a data category for separately shelved government documents appears. Included in this category are publications of federal, state, and provincial governments and international organizations that are not represented in the libraries' online or other regular catalogs and that are housed separately from the general collections. Documents that are classified and individually represented in the catalogs, whether or not they are housed separately, and regardless of the type of classification, are now to be included in the categories of Volumes in Library, Volumes Added, and Current Serials (Not Purchased and Total). For some libraries the addition of documents to volumes held and added and to serials may have produced discontinuities this year, as well as last year, in their historical series of data. The Footnotes to this volume and the instructions for the ARL statistics questionnaire may provide further clarification about how libraries are integrating documents into their statistics.

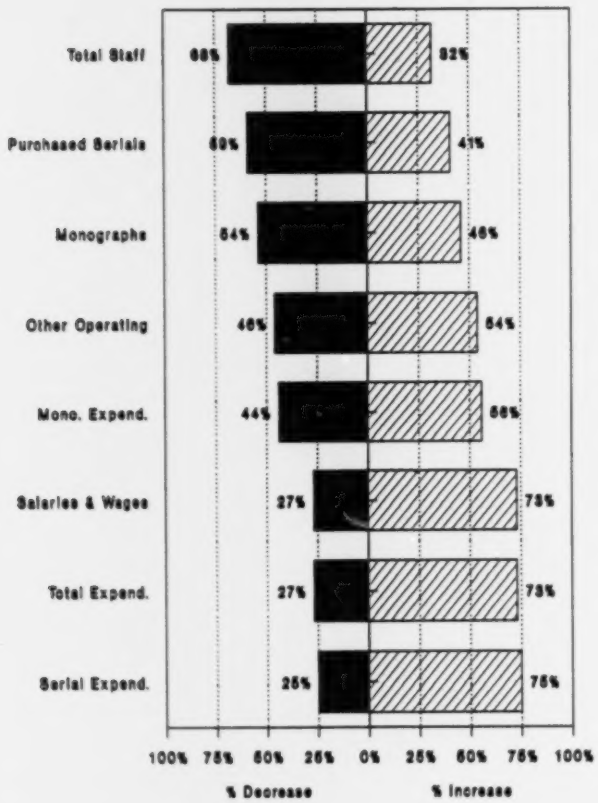
* * * * *

In 1991-92 ARL libraries were squeezed more than at any time in the previous decade between the rock of serials prices and the hard place of declining funds. For the first time in a decade total expenditures for all university library members of ARL rose no more than inflation, even while the prices of materials were rising considerably faster than inflation. The graph on the facing page illustrates the dilemma that the university members of ARL faced in 1992, and continue to face. The graph displays changes in five categories of total library expenditures since 1982 for the 96 libraries that have been members and have reported data throughout this period. The expenditures are expressed in constant (1982) dollars, so that increases in expenditures in this graph indicate increases in real buying power. For comparison the graph also displays changes in three categories of university expenditures for the U.S. members represented in the graph: total educational and general university expenditures, expenditures for instruction (about 37% of the total in 1990), and expenditures for research (about 21% of total E & G expenditures).[1]

As the graph shows, during the decade since 1982 serials expenditures have risen 67% more than inflation, and other operating expenditures (including automation costs) have kept close but erratic company. Through 1990 serials and other operating expenditures increased faster than almost every major category of university expenditures. In particular, for the U.S. ARL libraries, the increase in money spent on serials exceeded the increase in university spending on sponsored research and development. By 1990 the ARL libraries were spending about 6% more on serials than could be justified if serials expenditures were tied strictly to increases in research funding.[2] Except for serials and other operating expenses, however, most of the other categories of library expenditures increased less than the university expenditure categories of instruction, research, and total E & G expenditures. Total library expenditures rose at about the same rate as instruction, though by 1990 falling a bit behind these costs of teaching salaries and related expenditures. So the

overall picture that the graph presents is one of serials expenditures and its wayward partner other operating expenditures exceeding the common bounds of expenditure increases in universities, while expenditures for monographs and other materials and expenditures for ARL staff are dragging along behind instruction, research, and total university expenditures.

Percentages of ARL Libraries Showing Decreases and Increases in Various Data Categories, 1991 to 1992



In the years when total library expenditures would increase 10-19% more than inflation each year, the Beatles used to insist that "money can't buy me love." By 1992, for an ARL library, money also wouldn't buy you serials or much of anything else. The chart above shows how research libraries spent more in 1992 for less than they acquired in 1991. 68% of ARL libraries employed fewer professional and support staff in 1992 than in 1991. 59% had fewer paid serial subscriptions. 54% acquired fewer monographs. In contrast (from the bottom of the chart), 75% spent more for their fewer subscriptions. 73% had higher total expenditures and higher expenditures for fewer staff. 56% spent more for fewer monographs. And 54% had higher other operating expenditures.

For totals and averages, the contrasts are even more striking:

- ARL members paid $15.7 million more for serials in 1992 than in 1991, but had an average of about 600 fewer subscriptions per library, or around 60,000 fewer serials among all ARL academic libraries. Even though serials expenditures rose faster than university R & D expenditures, the libraries still had to cancel subscriptions.

- The libraries purchased some 100,000 fewer monographs than in 1991, but paid over $300,000 more for them.

- The total number of professional and support staff declined by 500, while total salaries and wages rose by over $18 million.

- In this context of declining acquisitions and staffing, it was good news that interlibrary lending had increased access by 32,000 transactions, and interlibrary borrowing by 87,000.

In fact, the 6.8% increase in borrowing by ARL libraries exceeded even the 5.4% increase in expenditures for serials (while lending by ARL libraries, curiously, rose only about 1%).

The 1991-92 statistics thus offer a gloomy view of the traditional research library — a view of declining serial subscriptions and monograph acquisitions, of fewer staff, of budgets falling behind or barely keeping up with inflation — a view relieved, however, by the promise of access held out by interlibrary borrowing and lending.

* * * * *

Those using the *ARL Statistics* to compare individual libraries should consult the "Footnotes" and the symbols in the "ARL Library Data Tables." Although definitions used in the *Statistics* aim at consistency, differing reporting practices do exist among member libraries. To aid comparability in the *ARL Statistics*, expenditures of Canadian libraries are expressed in U.S. dollars, at the rate of 1.1623 Canadian dollars to one U.S. dollar. This exchange rate is the average of the average monthly noon exchange rates published in the *Bank of Canada Review* for the period July, 1991-June, 1992. Expenditures reported in Canadian dollars are given in the "Footnotes" to the *ARL Statistics*.

The quantitative rank order tables presented in this publication are not indicative of performance and outcomes, and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.

Kendon Stubbs
University of Virginia Library
January 10, 1992

NOTES

1. The ARL data are from the machine-readable version of the ARL statistics, available from the ARL Office. The university data are from the National Center for Education Statistics

IPEDS/HEGIS Finance data, through John Minter Associates of Boulder, Colorado. At the time of writing, the latest institutional finance data from NCES are for fiscal year 1990. The inflation measure used is the Gross National Product Implicit Price Deflator, from the U.S. Commerce Dept., *Business Statistics 1963-91*, 27th ed., 1992, p. A-107, and from the *Survey of Current Business*, September, 1992, p. 20.

2. Research last fall by Pergamon and Elsevier publishers and by ARL led to the discovery that increases in serials expenditures by ARL libraries exactly matched the increases in total U.S. academic R & D expenditures. But while total U.S. R & D rose 66% in constant dollars from 1982 to 1990 (National Science Board, *Science & Engineering Indicators*, 1991, Appendix Table 5-1), for the ARL institutions R & D increased 47%. This lesser increase among the 90-some large ARL universities was undoubtedly due to the wider spread of R & D funding among other institutions during the 1980s (see Science & Engineering Indicators, pp. 123-125, on the spreading base of academic R & D).

ARL LIBRARY DATA TABLES

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
ALABAMA	LM+	1	1,902,029	43,357	38,555	22,944	11,121	5,757	16,878	2,723,168
ALBERTA	BLM+	2	3,240,325	81,996	60,753	28,964	16,413	5,431	21,844	3,321,148
ARIZONA	LM+	3	3,915,913	108,073	98,552	64,136	U/A	U/A	28,322	4,326,629
ARIZONA STATE	BL+	4	2,826,679	119,377	113,745	91,721	21,822	9,872	31,694	4,410,042
AUBURN	+	5	2,058,211	67,417	66,276	55,481	10,422	11,100	21,522	2,672,479
BOSTON	LM+	6	1,849,410	50,185	39,973	18,753	17,177	11,400	28,577	3,092,179
BRIGHAM YOUNG	+	7	2,201,720	70,642	68,973	51,955	11,367	6,681	18,048	1,839,299
BRITISH COLUMBIA	LM+	8	3,113,492	102,065	93,613	60,478	17,504	5,446	22,950	4,013,967
BROWN	b+	9	2,551,187	47,535	47,360	25,129	U/A	U/A	12,308	1,236,258
CALIFORNIA, BERKELEY	L+	10	7,854,630	176,620	157,603	U/A	U/A	U/A	88,374	4,666,786
CALIFORNIA, DAVIS	bLM+	11	2,588,728	154,975	146,873	79,480	36,871	14,251	51,122	3,082,956
CALIFORNIA, IRVINE	M+	12	1,556,279	57,453	55,412	29,119	16,983	659	17,642	1,927,065
CALIFORNIA, LOS ANGELES	LM+	13	6,247,320	167,513	133,675	156,090	U/A	U/A	94,156	6,377,470
CALIFORNIA, RIVERSIDE	+	14	1,561,662	46,296	44,674	27,812	7,437	5,514	12,951	1,419,486
CALIFORNIA, SAN DIEGO	M+	15	2,188,722	155,382	133,609	63,507	18,485	5,903	24,388	2,193,507
CALIFORNIA, SANTA BARBARA	+	16	2,074,813	42,910	40,466	27,716	14,400	11,000	25,400	3,780,057
CASE WESTERN RESERVE	LM+	17	1,765,412	37,087	35,075	20,177	11,907	3,610	15,517	2,016,248
CHICAGO	bGLM+	18	5,448,621	124,883	119,903	75,860	U/A	U/A	46,072	1,939,074
CINCINNATI	LM+	19	1,837,615	48,809	45,710	26,777	U/A	U/A	19,885	2,557,265
COLORADO	L+	20	2,427,603	80,038	78,193	34,846	15,846	11,467	27,313	4,524,983

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
1,063,928	9,901	8,005	58	74	55	187	1,003,931	2,286,040	27,658	26,000
411,229	66,269	17,812	77	262	34	373	1,077,776	2,928,346	U/A	0
0	42,493	10,465	97	182	94	373	2,133,224	3,538,120	242,454	280,150
568,497	30,206	9,497	116	211	66	393	2,619,236	3,111,905	743,595	22,417
394,655	18,913	3,509	51	97	44	192	1,049,187	2,292,820	180,107	1,685
U/A	14,439	13,083	60	131	59	250	602,125	2,457,487	156,918	90,391
343,531	17,023	17,023	94	45	133	272	1,843,997	1,974,443	177,868	0
769,682	30,993	12,497	100	261	46	407	2,327,963	3,214,157	U/A	0
U/A	11,534	6,278	80	113	77	270	1,665,526	1,920,898	10,030	0
108,749	50,977	17,255	175	297	336	808	3,948,393	4,919,247	U/A	U/A
33,495	31,081	10,476	76	204	64	344	1,951,128	3,294,338	126,262	430,249
474,699	22,430	14,693	57	115	59	231	1,558,211	2,540,717	215,418	0
69,737	69,929	12,073	144	298	200	642	3,315,248	4,129,696	885,822	0
413,230	10,181	11,446	38	86	43	167	969,817	1,435,430	168,445	0
241,400	24,148	19,297	100	197	82	379	1,402,917	3,004,137	190,471	21,433
675,611	11,157	16,647	59	145	43	247	1,177,874	2,586,886	U/A	U/A
28,425	43,108	11,080	62	88	26	176	653,236	2,416,603	46,459	43,258
U/A	50,976	11,362	78	221	80	379	2,286,869	3,354,129	42,544	0
327,781	30,385	18,710	65	138	87	290	939,239	2,740,423	200,573	140,374
1,500,819	32,354	12,068	56	115	63	234	1,509,202	3,354,005	1,446,484	226,645

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
3,343,629	121,244	1,555,428	1,218,647	490,478	3,264,553	826,369	7,555,795	ALABAMA
4,006,122	152,000	3,593,043	6,324,106	611,103	10,528,252	1,184,096	15,870,470	ALBERTA
6,193,948	341,413	3,378,221	3,145,045	787,514	7,310,780	1,188,491	15,034,632	ARIZONA
6,497,153	277,352	3,910,761	3,376,965	803,098	8,090,824	2,106,625	16,971,954	ARIZONA STATE
3,523,799	100,732	1,613,223	1,349,818	344,722	3,307,763	3,805,218	10,737,512	AUBURN
3,306,921	170,250	2,344,861	2,529,808	402,539	5,277,208	1,180,360	9,934,739	BOSTON
3,996,308	178,232	2,976,478	793,132	1,382,837	5,152,447	1,363,264	10,690,251	BRIGHAM YOUNG
5,542,120	230,551	4,583,795	5,697,238	954,526	11,235,560	2,210,511	19,218,742	BRITISH COLUMBIA
3,596,454	168,702	2,551,798	1,953,777	370,923	4,876,498	2,747,081	11,388,735	BROWN
8,867,640	931,814	5,283,486	7,027,877	4,461,610	16,772,973	3,858,902	30,431,329	CALIFORNIA, BERKELEY
5,801,977	383,476	2,939,815	4,806,268	869,967	8,616,050	982,934	15,784,437	CALIFORNIA, DAVIS
4,314,346	253,192	2,617,627	3,261,444	757,288	6,636,359	1,392,055	12,595,952	CALIFORNIA, IRVINE
8,330,766	643,423	6,143,344	6,976,737	2,725,685	15,845,766	3,876,107	28,696,062	CALIFORNIA, LOS ANGELES
2,573,692	166,822	1,493,123	1,985,347	450,687	3,929,157	618,325	7,287,996	CALIFORNIA, RIVERSIDE
4,618,958	295,658	3,485,821	4,428,938	1,187,935	9,102,694	2,102,904	16,120,214	CALIFORNIA, SAN DIEGO
3,764,760	247,925	2,310,373	3,216,310	896,288	6,422,971	1,694,532	12,130,188	CALIFORNIA, SANTA BARBARA
3,159,556	111,664	2,142,105	1,564,739	277,012	3,983,856	1,020,024	8,275,100	CASE WESTERN RESERVE
5,683,542	372,489	2,726,770	4,689,000	952,100	8,367,870	2,575,359	16,999,260	CHICAGO
4,020,609	143,703	2,703,604	3,109,716	713,868	6,527,188	1,732,017	12,423,517	CINCINNATI
6,536,336	183,885	2,019,163	2,842,878	710,662	5,572,703	696,025	12,988,949	COLORADO

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
COLORADO STATE	+	21	1,450,456	82,747	77,786	20,353	17,947	2,806	20,753	1,953,495
COLUMBIA	LM+	22	6,262,162	134,967	119,869	U/A	39,817	23,195	63,012	4,460,914
CONNECTICUT	GBLM+	23	2,372,350	87,474	64,304	24,549	U/A	U/A	18,283	3,228,043
CORNELL	BL+	24	5,468,870	197,144	124,389	U/A	U/A	U/A	59,889	5,833,564
DARTMOUTH	M+	25	1,910,775	54,626	37,451	31,921	17,297	4,180	21,477	2,313,143
DELAWARE	G+	26	2,070,441	58,374	56,010	36,505	20,699	957	21,656	2,354,829
DUKE	GLM+	27	4,134,361	130,112	122,537	45,327	U/A	U/A	31,107	1,719,587
EMORY	BLM+	28	2,167,978	70,393	66,011	U/A	16,218	6,353	22,571	2,643,633
FLORIDA	GLM+	29	2,974,962	62,708	58,137	36,603	23,933	3,777	27,710	4,876,516
FLORIDA STATE	GBL+	30	1,979,112	52,626	42,605	U/A	U/A	U/A	18,436	3,933,253
GEORGETOWN	GLM+	31	1,910,975	62,633	55,632	35,404	22,319	2,122	24,441	2,320,345
GEORGIA	L+	32	3,048,491	80,152	80,152	33,954	U/A	U/A	53,516	4,865,800
GEORGIA TECH	+	33	1,737,745	41,166	40,724	6,544	5,486	5,414	10,900	3,337,128
GUELPH	b+	34	2,015,541	51,423	51,423	19,362	7,971	4,924	12,895	1,291,817
HARVARD	LM+	35	12,394,894	284,662	242,069	U/A	U/A	U/A	96,019	6,335,484
HAWAII	+	36	2,651,257	81,038	78,033	U/A	23,339	14,262	37,601	5,242,164
HOUSTON	GL+	37	1,681,558	34,420	32,637	23,833	13,467	907	14,374	3,395,807
HOWARD	GLM+	38	1,867,721	36,171	34,928	10,801	23,915	2,123	26,038	3,413,178
ILLINOIS, CHICAGO	M+	39	1,742,197	54,139	46,868	18,922	U/A	U/A	21,410	1,941,997
ILLINOIS, URBANA	L+	40	8,096,040	177,210	177,089	83,228	U/A	U/A	91,011	3,897,360

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
339,993	28,584	19,254	40	75	38	153	925,544	1,657,059	40,473	318,815
159,960	32,411	11,870	173	327	136	636	2,968,090	4,667,762	U/A	41,360
0	38,053	13,295	66	92	67	225	1,265,815	2,657,337	171,570	116,512
U/A	20,283	15,682	183	287	140	610	2,524,615	4,119,109	604,324	223,762
90,704	15,901	10,201	50	102	28	180	1,305,690	2,216,870	179,790	0
393,406	12,879	5,242	51	109	52	212	2,041,595	2,114,915	U/A	U/A
1,200,418	31,344	10,229	99	169	56	324	2,317,465	3,652,690	113,963	28,622
66,781	22,580	11,937	68	150	51	269	1,745,352	2,610,837	479,718	212,325
1,144,248	40,826	12,759	97	159	176	432	886,132	2,937,466	368,994	139,746
960,549	34,795	11,984	55	125	48	228	1,094,972	2,640,098	193,336	54,199
375,390	13,853	6,702	82	139	73	294	1,755,641	2,199,873	569,998	0
U/A	37,363	7,559	80	177	75	332	1,449,307	3,138,463	858,755	0
0	12,353	2,891	45	49	19	113	509,813	1,537,759	212,527	0
U/A	2,219	4,098	27	125	9	161	841,889	1,450,290	40,753	40,373
U/A	39,300	10,422	363	600	172	1,135	5,259,661	5,593,647	1,654,492	14,540
0	9,332	3,379	66	103	72	241	1,206,707	2,524,558	183,459	0
625,032	13,523	15,680	44	95	60	199	921,888	2,016,097	167,539	148,234
0	3,559	622	76	124	16	216	659,145	3,450,590	U/A	0
606,209	99,445	75,907	74	166	38	278	777,365	2,816,123	77,123	0
U/A	71,544	58,616	152	235	124	511	2,590,132	3,807,387	29,387	193,847

N/A - Not Applicable U/A - Unavailable

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ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
2,941,891	120,300	1,484,917	1,505,899	393,310	3,384,126	850,454	7,296,771	COLORADO STATE
7,677,212	602,855	6,796,922	6,472,206	1,391,314	14,660,442	3,726,482	26,666,991	COLUMBIA
4,211,234	261,725	U/A	U/A	743,518	7,256,929	1,447,283	13,177,171	CONNECTICUT
7,471,810	216,665	6,187,594	5,062,406	903,004	12,153,004	3,487,300	23,328,779	CORNELL
3,702,350	119,904	2,103,381	2,114,749	287,350	4,505,480	1,268,318	9,596,052	DARTMOUTH
4,156,510	151,488	1,866,231	2,033,501	433,159	4,332,891	822,909	9,463,798	DELAWARE
6,112,740	242,529	3,664,272	3,393,404	365,889	7,423,565	2,716,906	16,495,740	DUKE
5,048,232	181,030	2,398,192	2,770,915	577,678	5,746,785	2,976,681	13,952,728	EMORY
4,332,338	208,773	3,796,345	3,349,620	659,042	7,805,007	1,355,339	13,701,457	FLORIDA
3,982,605	241,467	1,711,576	1,669,620	412,770	3,793,966	528,298	8,546,336	FLORIDA STATE
4,525,512	188,646	3,043,057	2,949,912	806,188	6,799,157	1,712,173	13,225,488	GEORGETOWN
5,446,525	227,646	2,585,803	2,768,813	674,325	6,028,941	1,600,324	13,303,436	GEORGIA
2,260,099	61,867	1,509,015	675,323	85,361	2,269,699	797,897	5,389,562	GEORGIA TECH
2,373,305	93,046	1,309,803	2,846,853	88,333	4,244,988	425,442	7,136,781	GUELPH
12,522,340	938,690	15,576,563	12,754,985	1,135,771	29,467,319	11,522,625	54,450,974	HARVARD
3,914,724	274,851	3,290,734	2,278,211	907,471	6,476,416	629,544	11,295,535	HAWAII
3,253,758	73,469	1,596,700	1,202,988	691,091	3,490,779	1,141,243	7,959,249	HOUSTON
4,109,735	158,365	2,682,294	2,517,380	317,406	5,517,080	705,993	10,491,173	HOWARD
3,670,611	131,410	2,763,437	3,132,156	413,420	6,309,013	1,411,360	11,522,394	ILLINOIS, CHICAGO
6,620,753	324,268	5,131,041	4,072,947	1,051,138	10,255,126	2,807,348	20,007,495	ILLINOIS, URBANA

N/A - Not Applicable U/A - Unavailable

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ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
INDIANA	L+	41	5,264,138	177,034	162,061	U/A	29,952	9,823	39,775	2,971,921
IOWA	LM+	42	3,253,141	84,924	78,872	38,827	19,608	13,504	33,112	4,873,174
IOWA STATE	+	43	1,955,213	53,639	40,267	21,216	15,263	6,631	21,894	2,457,850
JOHNS HOPKINS	M+	44	2,961,160	70,427	58,759	39,683	15,946	4,892	20,838	1,842,302
KANSAS	G+	45	3,043,964	84,054	83,199	46,358	19,243	8,148	27,391	2,510,217
KENT STATE	B+	46	2,102,646	48,065	39,302	19,360	U/A	U/A	12,856	1,033,465
KENTUCKY	LM+	47	2,459,497	248,629	247,414	20,092	14,543	12,798	27,341	4,861,232
LAVAL	+	48	1,926,878	72,396	71,587	24,651	11,795	4,779	16,574	1,018,141
LOUISIANA STATE	GL+	49	2,654,485	53,713	38,640	U/A	U/A	U/A	20,233	3,923,432
MCGILL	bGLM+	50	2,621,044	95,887	50,667	36,454	14,348	3,193	17,541	1,204,911
MCMASTER	M+	51	1,617,839	48,336	44,006	28,690	11,684	3,650	15,334	1,284,911
MANITOBA	GLM+	52	1,573,902	36,682	21,395	16,609	10,532	1,298	11,830	1,152,262
MARYLAND	+	53	2,174,628	70,237	55,105	23,914	16,782	3,304	20,086	4,650,166
MASSACHUSETTS	+	54	2,511,558	52,985	50,913	8,859	10,823	4,699	15,522	1,911,953
MIT	+	55	2,267,948	58,857	44,126	19,510	8,824	12,034	20,858	1,893,561
MIAMI	LM+	56	1,797,242	69,861	57,387	48,092	15,207	3,646	18,853	3,118,081
MICHIGAN	LM+	57	6,598,574	129,997	114,615	U/A	36,167	33,578	69,745	4,495,426
MICHIGAN STATE	+	58	2,860,874	81,612	49,511	33,470	13,779	14,401	28,180	4,610,166
MINNESOTA	bLM+	59	4,908,982	161,779	147,352	28,867	33,305	10,173	43,478	3,936,564
MISSOURI	LM+	60	2,579,253	55,583	50,949	25,953	13,376	9,597	22,973	5,012,692

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

BEST COPY AVAILABLE

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
U/A	61,630	24,331	133	192	151	476	2,538,531	3,185,638	603,704	322,955
983,021	48,736	11,949	92	111	71	274	1,735,612	2,548,192	480,850	347,357
0	22,514	6,456	48	108	57	213	1,033,394	2,683,809	70,107	49,920
0	23,280	19,033	110	198	43	351	2,012,045	3,192,476	405,865	105,980
956,988	35,199	16,427	99	141	92	332	1,936,985	2,582,236	77,139	53,444
81	17,832	16,642	56	109	74	239	752,325	1,533,163	206,756	27,334
1,254,294	27,889	16,821	69	127	117	313	957,715	2,773,212	15,292	417,398
0	18,228	12,855	71	189	19	279	1,172,366	2,280,950	36,984	89,343
86,624	11,723	8,586	62	111	71	244	1,725,480	2,630,827	420,909	0
1,471,661	25,026	9,846	79	200	43	322	1,713,621	2,526,320	U/A	269,460
0	14,935	9,226	38	142	16	196	1,467,293	2,539,461	16,111	18,397
480,599	17,016	8,445	55	145	32	232	881,821	1,977,424	U/A	U/A
749,228	14,178	6,298	87	130	105	322	1,332,412	2,367,249	284,253	162,033
0	14,901	7,431	51	91	34	176	256,645	1,891,176	676	18,852
0	18,928	4,061	86	129	29	244	868,778	2,110,146	U/A	386,747
930,000	32,036	15,917	77	132	51	260	1,056,665	3,061,457	277,238	10,622
0	33,348	17,328	131	289	156	576	3,515,378	5,165,206	172,245	299,718
865,787	20,124	10,563	68	114	130	312	1,518,632	2,520,018	U/A	150,611
2,942,798	211,112	14,206	125	185	158	468	1,743,381	4,438,120	449,122	199,040
1,665,135	32,618	12,938	57	132	63	252	1,256,952	2,366,423	11,777	104,936

N/A - Not Applicable U/A - Unavailable

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ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
6,650,828	314,270	4,971,954	3,542,885	1,500,267	10,015,106	3,341,167	20,321,371	INDIANA
5,112,011	202,391	3,407,913	2,072,575	674,151	6,154,639	948,950	12,417,991	IOWA
3,837,230	149,547	1,895,927	2,392,063	529,933	4,817,923	1,143,200	9,947,900	IOWA STATE
5,716,366	180,812	4,235,783	3,853,379	461,276	8,550,438	4,558,781	19,006,397	JOHNS HOPKINS
4,649,804	185,708	2,916,784	2,766,670	805,562	6,489,016	1,319,806	12,644,334	KANSAS
2,519,578	98,785	2,229,724	2,618,813	623,102	5,471,639	760,717	8,850,719	KENT STATE
4,163,617	97,231	2,716,590	2,098,338	828,900	5,643,828	1,162,501	11,067,177	KENTUCKY
3,579,643	43,128	3,560,281	4,788,744	420,142	8,769,167	767,268	13,159,206	LAVAL
4,777,216	110,575	2,240,299	1,807,757	658,039	4,706,095	868,443	10,462,329	LOUISIANA STATE
4,509,401	174,788	3,784,470	5,082,098	436,088	9,302,657	1,168,573	15,155,419	MCGILL
4,041,262	126,885	1,846,225	3,432,032	293,668	5,571,925	404,680	10,144,752	MCMASTER
2,859,245	135,105	2,402,181	3,394,180	488,373	6,284,734	1,183,257	10,462,341	MANITOBA
4,145,947	189,946	3,181,515	3,435,029	1,221,532	7,838,076	2,597,506	14,771,475	MARYLAND
2,167,349	131,286	2,244,785	2,073,874	461,935	4,780,594	365,932	7,445,161	MASSACHUSETTS
3,365,671	192,660	2,918,706	2,787,892	364,905	6,071,503	1,377,510	11,007,344	MIT
4,405,982	154,336	2,452,591	2,015,447	404,658	4,872,696	1,862,537	11,295,551	MIAMI
9,152,547	328,018	4,959,711	5,733,820	1,568,181	12,261,712	3,777,715	25,519,992	MICHIGAN
4,189,261	223,733	2,512,041	2,790,090	1,177,376	6,479,507	1,175,564	12,068,065	MICHIGAN STATE
6,829,663	554,819	4,858,894	4,537,960	2,324,433	11,721,287	3,555,885	22,661,654	MINNESOTA
3,740,088	146,973	1,549,310	1,896,003	490,770	3,936,083	1,506,870	9,330,014	MISSOURI

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ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
NEBRASKA	L+	61	2,107,439	52,772	47,450	18,344	16,904	4,555	21,459	3,498,537
NEW MEXICO	bLM+	62	1,815,957	61,951	54,142	33,841	14,627	7,306	21,933	5,111,453
NEW YORK	LM+	63	3,224,145	75,589	58,261	49,169	28,043	1,201	29,244	3,074,824
NORTH CAROLINA	LM+	64	3,956,238	109,666	99,860	48,045	U/A	U/A	39,043	3,462,277
NORTH CAROLINA STATE	+	65	1,445,957	44,454	38,082	22,189	8,877	8,565	[illegible]	[illegible]
NORTHWESTERN	BLM+	66	3,607,533	88,999	57,283	U/A	U/A	U/A	[illegible]	[illegible]
NOTRE DAME	GL+	67	2,196,117	111,012	101,519	32,336	U/A	U/A	[illegible]	[illegible]
OHIO STATE	bLM+	68	4,603,310	106,051	86,215	44,141	23,973	8,408	[illegible]	[illegible]
OKLAHOMA	bLM+	69	2,381,304	51,256	45,347	21,436	16,418	982	17,400	3,216,398
OKLAHOMA STATE	BM+	70	1,630,326	42,004	35,069	10,127	8,487	7,644	16,131	2,652,606
OREGON	L+	71	1,981,160	51,037	49,371	37,180	13,898	2,093	15,991	1,923,685
PENNSYLVANIA	LM+	72	3,844,414	96,741	87,652	41,860	U/A	U/A	32,179	2,626,937
PENNSYLVANIA STATE	B+	73	3,318,118	152,383	125,073	U/A	U/A	U/A	[illegible]	[illegible]
PITTSBURGH	LM+	74	3,041,139	87,914	78,228	U/A	U/A	U/A	[illegible]	[illegible]
PRINCETON	+	75	4,965,358	133,642	126,002	76,543	26,074	8,213	[illegible]	[illegible]
PURDUE	bG+	76	2,022,781	66,375	54,119	15,328	14,076	2,282	[illegible]	[illegible]
QUEEN'S	bGLM+	77	1,885,591	49,264	46,975	28,569	14,604	786	15,390	3,133,082
RICE	+	78	1,534,744	37,325	34,570	22,352	10,853	3,255	14,108	2,197,466
ROCHESTER	M+	79	2,774,892	45,209	40,519	20,752	U/A	U/A	13,309	3,661,525
RUTGERS	BL+	80	3,367,663	87,263	65,247	45,690	U/A	U/A	33,270	4,314,783

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ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
823,385	12,819	14,126	54	116	47	217	898,802	2,580,609	180,487	45,556
271,708	17,901	15,829	80	161	96	337	790,446	1,851,076	160,139	407,068
377,759	15,778	16,540	141	178	81	400	2,080,961	3,541,943	231,056	122,300
813,651	35,467	7,772	121	206	86	413	1,902,625	3,348,682	443,708	33,019
829,844	28,647	6,683	51	118	57	226	1,005,633	1,908,619	337,462	187,448
0	29,367	17,163	109	139	106	354	1,617,664	3,003,679	244,686	154,414
146,065	16,307	9,992	43	129	27	199	1,218,002	2,299,855	110,545	240,447
121,388	29,245	27,692	118	202	129	449	1,735,933	4,163,453	25,385	49,242
1,191,992	30,166	20,482	49	79	62	190	1,049,011	2,369,510	207,875	148,812
200	20,347	9,436	50	71	66	187	445,460	1,867,260	95,786	21,652
465,277	17,211	8,781	51	92	74	217	1,330,241	2,261,534	U/A	236,160
0	20,562	22,852	111	176	96	383	2,007,967	3,152,553	561,813	0
0	33,391	16,278	105	268	93	466	2,601,188	4,243,638	U/A	76,344
5,823	27,073	16,194	95	169	81	345	2,047,838	3,351,831	141,935	91,573
U/A	9,614	17,183	114	228	53	395	3,193,161	2,880,708	666,502	138,726
466,023	16,400	10,073	62	145	56	263	773,643	3,177,453	U/A	0
967,200	8,648	7,361	46	139	23	208	1,396,874	2,498,864	17,495	0
77,600	5,680	3,896	38	74	17	129	1,147,649	1,866,250	251,013	65,897
444,014	24,321	10,520	69	100	53	222	819,859	2,690,187	23,388	163,249
2,451,432	27,099	17,720	114	261	113	488	1,903,087	4,177,981	397,852	278,372

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
3,705,454	145,067	1,923,485	1,902,133	430,461	4,256,079	679,818	8,786,418	NEBRASKA
3,208,729	151,633	2,715,154	3,177,266	1,043,259	6,935,679	2,651,722	12,947,763	NEW MEXICO
5,976,260	399,255	5,251,398	4,189,285	835,000	10,275,683	3,321,810	19,973,008	NEW YORK
5,728,034	276,886	4,132,530	4,043,042	665,282	8,840,854	2,132,545	16,978,319	NORTH CAROLINA
3,439,162	146,515	1,833,205	2,197,309	509,172	4,539,686	1,421,266	9,546,629	NORTH CAROLINA STATE
5,020,443	176,454	4,096,336	2,861,744	981,795	7,939,875	1,309,804	14,446,576	NORTHWESTERN
3,868,849	97,790	1,740,550	2,197,619	262,370	4,200,539	1,333,921	9,501,099	NOTRE DAME
5,974,013	302,025	4,191,329	3,934,798	1,090,881	9,217,008	1,816,341	17,309,387	OHIO STATE
3,775,208	95,304	1,726,164	1,199,994	602,174	3,528,332	1,137,473	8,536,317	OKLAHOMA
2,430,158	113,359	1,560,552	958,764	417,241	2,936,557	2,183,360	7,663,434	OKLAHOMA STATE
3,827,935	142,584	1,879,772	1,752,865	705,517	4,338,154	1,471,179	9,779,852	OREGON
5,722,333	304,870	4,277,131	4,180,842	851,066	9,309,039	3,502,534	18,838,776	PENNSYLVANIA
6,921,170	460,173	U/A	U/A	U/A	10,188,030	1,611,796	19,181,169	PENNSYLVANIA STATE
5,633,177	258,672	3,226,363	2,972,583	720,805	6,919,751	2,196,075	15,007,675	PITTSBURGH
6,879,097	433,280	4,817,855	5,095,158	494,856	10,407,869	2,055,447	19,775,693	PRINCETON
3,951,096	124,515	2,304,695	2,218,135	516,990	5,039,820	1,257,234-	10,372,665	PURDUE
3,913,233	163,237	U/A	U/A	268,758	5,667,365	565,571	10,309,406	QUEEN'S
3,330,809	58,039	1,104,462	1,521,213	131,161	2,756,836	1,463,559	7,609,243	RICE
3,696,683	117,329	2,294,213	1,623,663	406,663	4,324,539	990,414	9,128,965	ROCHESTER
6,757,292	368,922	5,882,151	6,625,597	1,368,137	13,875,885	1,818,505	22,820,604	RUTGERS

N/A - Not Applicable U/A - Unavailable

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ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
SASKATCHEWAN	LM+	81	1,502,554	63,094	41,839	23,868	9,395	4,456	13,851	2,423,431
SOUTH CAROLINA	LM+	82	2,526,408	50,912	49,881	24,027	19,550	1,172	20,722	3,777,699
SOUTHERN CALIFORNIA	bLM+	83	2,764,865	94,570	79,421	31,584	13,580	19,092	32,672	3,765,719
SOUTHERN ILLINOIS	GL+	84	2,199,824	66,220	55,547	19,800	16,580	1,020	17,600	3,274,668
STANFORD	BLM+	85	6,127,388	153,562	139,796	U/A	U/A	U/A	47,705	4,119,839
SUNY-ALBANY	B+	86	1,343,865	32,872	32,872	19,450	17,080	U/A	17,080	2,619,469
SUNY-BUFFALO	GLM+	87	2,724,222	84,997	69,478	23,883	17,335	5,308	22,643	4,093,112
SUNY-STONY BROOK	M+	88	1,807,481	48,433	45,296	23,698	11,097	9,532	20,629	3,080,940
SYRACUSE	bGL+	89	2,367,269	26,493	14,722	18,713	U/A	U/A	16,559	4,332,259
TEMPLE	GBLM+	90	2,146,396	47,034	38,486	23,144	13,674	1,980	15,654	1,640,912
TENNESSEE	L+	91	1,959,168	49,630	44,496	30,765	15,044	3,225	18,269	2,820,840
TEXAS	L+	92	6,680,406	171,565	151,187	52,202	29,762	23,105	52,867	4,779,137
TEXAS A&M	bGM+	93	2,035,896	76,004	73,550	25,116	13,982	10,337	24,319	4,117,417
TORONTO	LM+	94	6,246,692	198,427	165,253	108,990	32,764	8,735	41,499	1,175,172
TULANE	GBLM+	95	1,946,312	47,839	41,932	27,158	15,390	1,498	16,888	2,114,185
UTAH	+	96	1,927,315	58,830	56,858	U/A	10,201	2,415	12,616	2,603,514
VANDERBILT	GLM+	97	2,026,237	67,066	59,951	U/A	14,758	1,250	16,008	2,048,884
VIRGINIA	LM+	98	3,842,344	124,231	106,983	49,229	22,979	22,266	45,245	4,871,904
VPI & SU	+	99	1,798,975	51,996	44,145	17,260	15,500	2,500	18,000	5,296,475
WASHINGTON	LM+	100	5,163,302	166,626	97,633	33,099	U/A	U/A	53,300	5,730,164

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
\+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

BEST COPY AVAILABLE

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
307,385	9,858	11,839	39	128	15	182	1,261,489	2,838,905	U/A	0
709,665	17,444	12,956	64	104	46	214	1,120,402	2,376,149	44,052	0
425,944	7,983	5,299	81	138	83	302	1,353,865	3,377,124	263,184	300
372,501	45,544	10,035	45	89	83	217	664,406	2,330,536	145,335	46,945
U/A	17,728	7,746	165	300	107	572	4,601,613	4,972,659	U/A	U/A
381,123	30,659	9,843	47	85	49	181	858,465	1,894,238	105,076	167,061
530,112	35,362	11,795	94	109	66	269	1,108,260	2,555,638	217,063	223,463
274,050	30,712	7,445	49	111	48	208	845,719	2,464,615	41,424	325,953
399,552	9,364	7,495	68	127	45	240	726,380	2,154,559	401,316	112,800
170,303	11,524	7,883	71	108	53	232	1,499,765	2,198,271	9,416	240,788
619,759	19,433	13,765	62	147	57	266	1,150,914	2,388,081	60,992	47,809
0	30,840	13,354	145	383	72	600	2,113,980	3,623,425	212,179	170,680
0	46,225	19,226	71	155	86	312	1,539,211	2,967,558	177,108	0
1,680,435	19,495	8,319	169	428	78	675	3,803,158	4,677,973	U/A	U/A
930,988	13,940	11,285	52	100	36	188	1,142,452	2,112,435	84,394	171,197
674,610	14,246	8,439	48	115	62	225	1,567,454	1,578,945	U/A	U/A
291,711	16,669	9,638	85	152	59	296	1,177,526	2,493,724	428,903	0
682,440	37,159	14,790	87	183	71	341	1,826,455	3,179,943	734,202	0
354,070	18,443	11,188	50	101	104	255	882,869	3,474,144	U/A	366,514
U/A	96,660	6,752	126	243	129	498	1,343,706	4,781,218	4,294	U/A

N/A - Not Applicable U/A - Unavailable

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ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
4,100,394	119,612	1,701,850	2,721,419	121,626	4,544,895	503,656	9,268,557	SASKATCHEWAN
3,540,603	164,451	2,072,196	1,789,256	396,787	4,258,239	1,847,704	9,810,997	SOUTH CAROLINA
4,994,473	166,874	4,361,843	3,126,293	552,138	8,040,274	2,378,752	15,580,373	SOUTHERN CALIFORNIA
3,187,222	161,596	1,907,203	1,648,584	767,353	4,323,140	1,094,269	8,766,227	SOUTHERN ILLINOIS
9,574,272	442,638	7,475,512	8,346,240	1,527,756	17,349,508	5,293,586	32,660,004	STANFORD
3,024,840	68,862	1,722,742	1,590,224	396,464	3,709,430	656,483	7,459,615	SUNY-ALBANY
4,104,424	146,078	3,499,829	2,297,347	556,100	6,353,276	1,513,824	12,117,602	SUNY-BUFFALO
3,677,711	96,665	2,286,937	2,418,160	399,381	5,104,478	696,178	9,575,032	SUNY-STONY BROOK
3,395,055	81,256	2,118,726	1,881,685	268,240	4,268,651	1,106,992	8,851,954	SYRACUSE
3,948,240	152,335	2,696,809	1,919,159	453,046	5,069,014	2,470,968	11,640,557	TEMPLE
3,647,796	105,408	2,050,523	2,064,301	348,391	4,463,215	838,309	9,054,728	TENNESSEE
6,120,264	183,031	4,562,207	5,907,439	951,999	11,421,645	3,346,601	21,071,541	TEXAS
4,683,877	133,951	2,397,939	2,076,717	788,440	5,263,096	2,027,294	12,108,218	TEXAS A&M
8,481,130	311,174	7,643,464	12,397,839	1,503,466	21,544,769	2,459,572	32,796,645	TORONTO
3,510,478	117,654	1,748,270	1,447,101	278,101	3,473,472	906,396	8,008,000	TULANE
3,146,399	118,675	1,323,570	1,865,380	640,878	3,829,828	1,388,434	8,483,336	UTAH
4,100,153	161,240	2,949,730	2,634,237	380,352	5,964,319	2,023,438	12,249,150	VANDERBILT
5,740,600	227,033	3,220,922	3,573,353	641,990	7,436,265	2,062,350	15,466,248	VIRGINIA
4,722,527	141,264	1,359,500	1,807,742	465,118	3,632,360	843,415	9,339,566	VPI & SU
6,129,218	310,234	4,914,376	5,272,120	1,362,050	11,548,546	2,064,585	20,052,583	WASHINGTON

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
WASHINGTON STATE	+	101	1,679,500	37,288	35,158	19,883	U/A	U/A	23,386	2,827,170
WASHINGTON U.-ST. LOUIS	GLM+	102	2,703,584	74,800	68,021	26,735	U/A	U/A	19,113	2,469,803
WATERLOO	+	103	1,676,711	58,585	51,600	25,797	15,171	614	15,785	1,020,423
WAYNE STATE	bLM+	104	2,667,088	90,139	88,118	31,715	16,350	8,242	24,592	3,271,271
WESTERN ONTARIO	LM+	105	2,060,766	57,348	49,643	30,153	14,841	6,500	21,341	2,708,408
WISCONSIN	GLM+	106	5,317,380	117,512	108,208	74,932	U/A	U/A	48,699	3,755,241
YALE	bGLM+	107	9,173,981	166,330	160,420	104,183	U/A	U/A	54,601	4,020,003
YORK	BL+	108	1,948,992	57,462	47,430	U/A	U/A	U/A	19,629	2,848,626
BOSTON PUBLIC LIBRARY	G+	109	6,132,245	246,490	227,640	160,759	16,777	U/A	16,777	4,794,166
CANADA INST. FOR SCITECH.	b+	110	2,327,848	22,335	22,335	14,239	U/A	U/A	30,468	2,325,486
CENTER FOR RESEARCH LIBS.	bG+	111	3,270,220	51,466	51,466	5,353	13,863	U/A	13,863	1,347,034
LIBRARY OF CONGRESS	L+	112	22,293,770	266,893	256,893	129,208	27,852	150,000	177,852	9,310,854
LINDA HALL LIBRARY	G+	113	677,161	13,779	13,761	7,850	10,500	2,000	12,500	1,130,900
NATL. AGRICULTURAL LIB.	b+	114	2,143,575	38,840	38,840	7,115	6,864	14,700	21,564	987,706
NATL. LIBRARY OF CANADA	+	115	1,668,779	207,651	207,294	12,934	5,762	51,745	57,507	5,001,730
NATL. LIBRARY OF MEDICINE	M+	116	2,044,901	44,390	44,390	16,618	24,469	3,897	28,366	322,533
NEWBERRY LIBRARY	bG+	117	1,446,085	6,763	6,761	U/A	U/A	U/A	5,248	259,384
NEW YORK PUBLIC LIBRARY	+	118	6,755,496	138,963	130,748	71,581	U/A	U/A	158,611	3,851,752
NEW YORK STATE LIBRARY	LM+	119	2,226,416	49,304	49,269	8,510	8,666	12,089	20,755	5,429,155
SMITHSONIAN INSTITUTION	GB+	120	1,142,134	24,672	21,393	7,488	3,831	11,210	15,041	U/A

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

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BEST COPY AVAILABLE

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
U/A	30,445	3,934	44	112	46	202	645,260	2,326,353	29,729	0
U/A	25,942	17,630	77	132	56	265	1,252,284	3,369,415	260,198	684,418
0	6,686	4,719	45	122	13	180	1,547,331	2,058,007	U/A	U/A
307,411	38,679	6,966	77	99	75	251	1,833,722	2,328,930	U/A	158,027
0	10,262	4,639	47	185	30	262	1,056,979	3,120,076	U/A	0
334,310	94,347	17,746	147	206	164	517	2,462,840	4,035,678	578,406	0
958,649	14,117	11,350	193	342	71	606	2,947,200	3,924,700	1,112,500	2,230,600
0	11,823	3,737	55	148	47	250	1,538,991	2,148,871	15,768	75,138
,382,908	26,316	1,547	197	309	25	531	5,040,878	753,399	411,223	0
U/A	375,000	0	65	128	0	193	U/A	U/A	U/A	U/A
0	39,692	0	25	30	13	68	46,400	213,954	632,095	0
U/A	58,597	971	1,630	2,963	N/A	4,593	3,264,836	3,626,995	3,604,381	313,617
U/A	34,343	59	20	41	N/A	61	271,330	1,519,420	U/A	44,950
U/A	117,600	19,705	132	89	13	234	512,884	1,430,293	81,099	0
,930,010	97,544	1,333	191	309	U/A	500	82,191	947,427	1,847,673	159,094
0	219,831	484	172	105	18	295	1,043,935	3,167,135	173,338	0
N/A	777	126	57	48	N/A	105	506,438	154,025	U/A	U/A
5,928	3,886	3,115	264	433	140	837	3,427,994	3,329,358	902,199	0
U/A	39,657	2,862	79	113	N/A	192	467,185	2,019,999	U/A	0
U/A	6,709	13,548	59	71	N/A	130	447,045	676,522	15,500	219,350

N/A - Not Applicable U/A - Unavailable

BEST COPY AVAILABLE

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
3,001,342	103,122	1,402,433	2,722,666	521,292	4,646,391	1,036,585	8,787,440	WASHINGTON STATE
5,566,315	146,548	2,845,447	2,214,178	457,772	5,517,397	2,102,686	13,332,946	WASHINGTON U.-ST. LOUIS
3,605,338	97,420	2,143,693	3,119,122	345,280	5,608,095	668,097	9,978,950	WATERLOO
4,320,679	167,851	2,878,252	2,162,395	771,435	5,812,082	1,978,689	12,279,301	WAYNE STATE
4,177,055	167,052	U/A	U/A	652,459	7,668,949	708,754	12,721,809	WESTERN ONTARIO
7,076,924	257,578	5,158,423	4,845,961	1,633,995	11,638,379	4,577,385	23,550,266	WISCONSIN
10,215,000	461,600	7,950,600	6,727,100	769,100	15,446,800	5,431,400	31,554,800	YALE
3,778,768	177,284	2,812,875	3,750,939	634,660	7,198,474	1,149,440	12,303,965	YORK
6,205,500	0	U/A	U/A	U/A	16,670,942	5,003,186	27,879,628	BOSTON PUBLIC LIBRARY
6,549,944	18,928	U/A	U/A	U/A	7,995,354	6,781,381	21,345,607	CANADA INST. FOR SCITECH.
892,449	0	U/A	U/A	U/A	1,427,888	645,699	2,966,036	CENTER FOR RESEARCH LIBS.
10,809,829	1,366,688	U/A	U/A	N/A	193,483,000	145,401,720	351,061,237	LIBRARY OF CONGRESS
1,835,700	83,230	786,410	467,000	N/A	1,253,410	486,585	3,658,925	LINDA HALL LIBRARY
2,024,276	130,305	6,840,000	3,029,000	226,000	10,095,000	6,428,000	18,677,581	NATL. AGRICULTURAL LIB.
3,036,386	48,789	U/A	U/A	U/A	18,141,715	10,623,455	31,850,346	NATL. LIBRARY OF CANADA
4,384,408	204,540	7,801,969	2,526,689	293,503	10,622,161	12,223,891	27,435,000	NATL. LIBRARY OF MEDICINE
660,463	8,201	U/A	U/A	U/A	3,509,763	1,671,895	5,850,322	NEWBERRY LIBRARY
7,659,551	416,755	U/A	U/A	1,199,933	20,643,025	16,298,491	36,941,516	NEW YORK PUBLIC LIBRARY
2,487,184	44,426	U/A	U/A	N/A	5,946,102	934,897	9,412,609	NEW YORK STATE LIBRARY
1,358,417	75,520	2,281,196	1,523,960	N/A	3,805,156	752,839	5,991,932	SMITHSONIAN INSTITUTION

N/A - Not Applicable U/A - Unavailable

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ARL LIBRARY DATA TABLE

TOTALS

COLLECTIONS

Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Monographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	Government Documents
1	2	3	4	5	6	7	8	9
UNIVERSITY MEDIAN								
2,369,810	70,049	57,335	28,690	15,445	5,431	21,750	3,087,568	373,946
UNIVERSITY HIGH								
12,394,894	284,662	247,414	156,090	39,817	33,578	96,019	6,377,470	2,942,798
UNIVERSITY LOW								
1,343,865	26,493	14,722	6,544	5,486	614	10,900	1,018,141	0
TOTALS - UNIVERSITY LIBRARIES								
326,350,330	9,262,267	8,082,682	3,302,142	1,303,206	527,796	3,057,165	343,420,966	46,632,753
TOTALS - NON-UNIVERSITY LIBRARIES								
52,128,630	1,111,546	1,070,790	441,655	118,584	245,641	558,552	34,760,700	4,318,846
GRAND TOTALS - ALL ARL LIBRARIES								
378,478,960	10,373,813	9,153,472	3,743,797	1,421,790	773,437	3,615,717	378,181,666	50,951,599

ARL LIBRARY DATA TABLE

TOTALS

INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
10	11	12	13	14	15	16	17	18	19
				UNIVERSITY MEDIAN					
22,547	11,356	71	138	63	268	1,348,786	2,620,832	180,297	54,199
				UNIVERSITY HIGH					
211,112	75,907	363	600	336	1,135	5,259,661	5,593,647	1,654,492	2,230,600
				UNIVERSITY LOW					
2,219	622	27	45	9	113	256,645	1,435,430	676	0
				TOTALS - UNIVERSITY LIBRARIES					
3,087,529	1,367,350	9,052	17,366	7,920	34,338	170,396,688	308,670,115	23,359,003	13,330,056
				TOTALS - NON-UNIVERSITY LIBRARIES					
1,019,952	43,750	2,891	4,639	209	7,739	15,111,116	17,838,527	7,667,508	737,011
				GRAND TOTALS - ALL ARL LIBRARIES					
4,107,481	1,411,100	11,943	22,005	8,129	42,077	185,507,804	326,508,642	31,026,511	14,067,067

ARL LIBRARY DATA TABLE

TOTALS

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.
20	21	22	23	24	25	26	27
			UNIVERSITY MEDIAN				
4,151,229	167,452	2,709,379	2,779,404	634,660	6,113,071	1,416,313	12,189,669
			UNIVERSITY HIGH				
12,522,340	938,690	15,576,563	12,754,985	4,461,610	29,467,319	11,522,625	54,450,974
			UNIVERSITY LOW				
2,167,349	43,128	1,104,462	675,323	85,361	2,269,699	365,932	5,389,562
			TOTALS - UNIVERSITY LIBRARIES				
515,755,861	23,358,912	332,919,616	341,968,294	79,108,928	783,113,377	201,038,196	1,523,266,344
			TOTALS - NON-UNIVERSITY LIBRARIES				
47,904,107	2,397,382	17,709,575	7,546,649	1,719,436	293,593,516	207,252,039	543,070,739
			GRAND TOTALS - ALL ARL LIBRARIES				
563,659,968	25,756,294	350,629,191	349,514,943	80,828,364	1,076,706,893	408,290,235	2,066,337,083

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 108 university library members.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	40	26	17
2. Nonprofessional Staff as percent of Total Staff	78	51	17
3. Student Assistant Staff as percent of Total Staff	49	23	6
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	2.1:1	0.5:1	0.2:1
5. Ratio of Items Loaned to Items Borrowed	14.9:1	2.0:1	0.5:1
6. Serials Expenditures as percent of Materials Expenditures	87	60	38
7. Materials Expenditures as percent of Total Operating Expenditures	51	35	23
8. Contract Binding as percent of Total Operating Expenditures	3.1	1.5	0.3
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	67	50	31
10. Other Operating Expenditures as percent of Total Operating Expenditures	35	12	4
11. Unit cost of monographs (per volume)	77.91	42.50	18.91
12. Unit cost of serials (per title)	302.17	161.75	89.35

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1990			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
ALABAMA	86	48	810	16,667	3,130	2,223	1,612
ALBERTA	249	55	1,784	24,063	4,222	2,944	1,064
ARIZONA	353	92	1,602	26,998	8,222	5,277	3,117
ARIZONA STATE	181	47	1,514	27,858	14,768	4,668	6,533
AUBURN	11	36	1,128	18,589	3,247	1,831	1,368
BOSTON	179	53	1,025	21,622	7,038	6,844	3,584
BRIGHAM YOUNG +	79	33	1,320	28,779	3,246	1,796	1,240
BRITISH COLUMBIA	200	119	1,978	23,220	7,510	4,627	496
BROWN	134	34	515	7,053	479	1,503	123
CALIFORNIA, BERKELEY	800	85	1,520	30,145	227	8,485	277
CALIFORNIA, DAVIS	273	52	2,773	21,379	1,923	5,071	243
CALIFORNIA, IRVINE	127	24	1,425	16,949	0	3,138	0
CALIFORNIA, LOS ANGELES	613	73	2,410	34,097	1,899	11,557	383
CALIFORNIA, RIVERSIDE	148	29	2,491	6,994	316	1,465	115
CALIFORNIA, SAN DIEGO +	227	46	1,054	17,184	772	3,216	86
CALIFORNIA, SANTA BARBARA	208	53	955	17,613	906	2,121	101
CASE WESTERN RESERVE	173	44	1,678	5,861	2,832	3,206	2,273
CHICAGO	319	68	1,226	9,238	1,714	5,887	1,679
CINCINNATI +	174	54	1,116	19,792	10,259	4,105	2,967
COLORADO	235	41	961	21,988	6,856	2,411	4,126
COLORADO STATE	194	39	1,567	20,967	2,912	2,079	930
COLUMBIA	370	66	2,962	14,734	4,144	9,825	3,033
CONNECTICUT	206	66	1,214	17,231	7,613	3,472	4,122
CORNELL +	513	76	1,535	18,461	60	5,672	40
DARTMOUTH	34	12	852	4,964	99	1,111	69
DELAWARE	167	34	972	13,873	1,375	1,540	1,218
DUKE +	216	40	1,554	10,743	388	4,676	325
EMORY	114	41	505	8,419	1,374	3,114	1,195
FLORIDA +	320	85	2,350	30,134	6,093	4,165	1,970
FLORIDA STATE +	286	65	1,058	22,438	6,083	3,591	2,913
GEORGETOWN +	68	16	734	9,764	2,097	4,016	1,763
GEORGIA	253	59	1,825	24,249	4,442	4,607	1,699
GEORGIA TECH	188	61	595	11,488	1,362	2,641	685
GUELPH	65	U/A	740	11,100	2,300	1,355	220
HARVARD +	389	44	1,356	18,273	1,037	10,662	737
HAWAII	133	45	1,080	13,785	5,531	3,023	3,276
HOUSTON	U/A	44	933	19,635	13,972	3,634	4,459
HOWARD	72	22	1,175	8,992	1,732	1,889	760
ILLINOIS, CHICAGO	196	51	1,738	17,730	6,928	5,020	3,776
ILLINOIS, URBANA	734	88	1,995	32,801	3,338	7,336	2,437
INDIANA	338	73	1,401	29,761	5,728	4,822	2,913
IOWA	366	57	1,033	21,563	7,085	5,585	4,011
IOWA STATE	278	89	1,207	21,663	4,114	2,711	2,393

* These figures were reported on ARL questionnaires and have not been verified with the U.S. NCES.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1990			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
JOHNS HOPKINS	257	60	754	6,579	7,095	3,283	5,492
KANSAS +	246	69	1,492	22,812	6,388	4,593	4,550
KENT STATE	127	18	912	21,661	11,639	1,540	3,711
KENTUCKY	209	57	1,223	18,053	5,495	3,328	2,581
LAVAL	92	52	1,679	24,669	11,228	3,725	2,742
LOUISIANA STATE	208	54	1,262	21,508	5,432	3,966	1,741
MCGILL +	259	58	1,565	19,110	3,707	4,374	2,035
MCMASTER	87	35	1,041	13,513	4,203	1,546	711
MANITOBA	71	41	1,271	13,050	8,200	2,055	1,129
MARYLAND +	506	73	1,874	25,429	9,194	4,291	4,967
MASSACHUSETTS +	264	50	1,138	18,984	5,805	2,283	3,790
MIT	514	84	985	9,163	378	4,885	331
MIAMI	99	41	1,792	12,082	2,111	4,076	1,226
MICHIGAN +	676	111	2,691	32,606	3,710	10,764	2,351
MICHIGAN STATE	470	77	2,095	35,406	7,923	5,101	4,411
MINNESOTA	651	120	1,513	22,811	33,537	5,674	7,382
MISSOURI	233	80	899	20,295	4,444	3,525	2,768
NEBRASKA	212	30	1,127	19,287	5,333	2,457	2,279
NEW MEXICO	143	36	1,205	15,162	9,847	2,157	2,148
NEW YORK	417	132	2,063	20,951	12,389	5,746	9,435
NORTH CAROLINA	313	62	2,245	19,323	4,510	4,961	3,394
NORTH CAROLINA STATE	277	50	1,507	18,321	8,915	1,750	2,641
NORTHWESTERN +	308	73	1,770	13,598	3,501	6,002	1,650
NOTRE DAME	91	21	1,158	9,700	385	2,101	361
OHIO STATE	649	100	2,546	42,261	12,052	8,279	5,249
OKLAHOMA	145	57	1,463	15,688	5,180	3,420	3,188
OKLAHOMA STATE	119	37	1,318	19,368	6,704	2,010	2,776
OREGON +	230	48	688	14,160	2,745	2,783	1,048
PENNSYLVANIA	495	65	1,928	18,269	3,960	8,900	2,045
PENNSYLVANIA STATE	516	95	2,842	53,682	16,452	4,350	5,827
PITTSBURGH +	343	67	2,674	19,210	8,763	5,630	4,093
PRINCETON	257	44	720	6,412	0	1,874	0
PURDUE	478	54	1,401	31,271	4,892	4,106	2,098
QUEEN'S +	132	30	1,002	12,991	4,886	1,962	643
RICE	92	28	433	4,101	178	1,301	117
ROCHESTER +	194	56	526	7,765	1,915	2,393	1,474
RUTGERS	350	61	1,929	33,550	15,143	5,007	8,098
SASKATCHEWAN	55	55	1,141	14,582	3,410	1,302	423
SOUTH CAROLINA	226	63	1,077	13,668	2,391	3,350	5,575
SOUTHERN CALIFORNIA	367	60	1,680	20,540	7,440	7,034	7,524
SOUTHERN ILLINOIS +	188	30	1,061	19,307	5,562	724	3,007
STANFORD +	552	81	1,408	12,318	2,839	5,752	1,270
SUNY-ALBANY	104	22	653	13,005	5,802	2,208	2,966

* These figures were reported on ARL questionnaires and have not been verified with the U.S. NCES.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1990			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
SUNY-BUFFALO +	280	70	1,428	18,027	7,988	4,798	3,963
SUNY-STONY BROOK +	225	27	1,539	13,350	4,347	3,244	2,904
SYRACUSE +	175	68	966	15,407	5,499	3,454	3,675
TEMPLE +	204	53	1,670	15,589	5,289	4,458	5,664
TENNESSEE	260	57	1,082	19,926	6,320	3,553	3,325
TEXAS +	696	79	2,063	43,535	6,435	11,393	1,543
TEXAS A&M	473	105	2,013	36,774	4,223	6,035	1,938
TORONTO	406	69	2,787	39,499	17,225	6,642	3,685
TULANE +	84	41	927	8,803	2,232	3,443	508
UTAH	201	63	1,528	17,124	9,513	3,386	1,211
VANDERBILT +	148	38	1,531	8,939	642	3,467	567
VIRGINIA	264	45	955	16,770	4,571	5,622	3,258
VPI & SU	366	90	1,460	22,500	3,757	3,810	3,116
WASHINGTON	409	63	2,847	26,887	6,524	6,096	1,821
WASHINGTON STATE	141	40	973	15,162	954	1,864	439
WASHINGTON U.-ST. LOUIS	180	46	610	8,152	3,521	3,219	2,113
WATERLOO	125	27	836	16,272	8,868	1,715	442
WAYNE STATE	226	66	1,718	15,762	19,183	5,878	8,202
WESTERN ONTARIO	102	34	1,413	16,307	3,664	2,624	223
WISCONSIN	680	120	2,221	35,613	7,417	9,489	2,430
YALE	326	46	1,674	10,649	411	5,465	300
YORK	79	55	1,249	24,719	16,162	2,210	1,456

* These figures were reported on ARL questionnaires and have not been verified with the U.S. NCES.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the eighteen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions that are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library (108)
Table 2 - Volumes Added (Gross) (108)
Table 3 - Current Serials (Total) (108)
Table 4 - Microform Holdings (Total) (108)
Table 5 - Government Documents (94)
Table 6 - Materials Expenditures (108)
Table 7 - Salaries & Wages Expenditures (108)
Table 8 - Other Operating Expenditures (108)
Table 9 - Total Operating Expenditures (108)
Table 10 - Monographs Purchased (Volumes) (91)
Table 11 - Expenditures For Monographs (108)
Table 12 - Serials Purchased (Titles) (76)
Table 13 - Expenditures for Serials (108)
Table 14 - Total Items Loaned (108)
Table 15 - Total Items Borrowed (108)
Table 16 - Professional Staff (FTE) (108)
Table 17 - Nonprofessional Staff (FTE) (108)
Table 18 - Total Staff (FTE) (108)

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ALABAMA	84	97	85	64	12	91	105	89	102	66	81	63	81	98	80	72	104	96
ALBERTA	28	42	54	47	41	62	16	67	29	44	74	33	44	7	12	47	12	28
ARIZONA	21	27	34	23	75	19	39	66	34	10	19	U/A	20	15	62	30	32	28
ARIZONA STATE	37	23	30	21	32	18	31	31	26	4	10	16	38	40	72	19	19	24
AUBURN	69	56	56	66	43	86	104	8	66	13	77	68	80	64	105	82	93	93
BOSTON	87	84	33	54	U/A	93	68	69	76	82	105	26	69	81	39	70	59	63
BRIGHAM YOUNG	57	51	76	96	50	63	70	59	67	15	30	62	95	72	20	33	108	51
BRITISH COLUMBIA	30	29	48	29	23	33	15	27	19	12	16	23	30	34	44	26	13	21
BROWN	48	92	106	102	U/A	83	74	19	61	55	40	U/A	96	93	95	42	76	52
CALIFORNIA, BERKELEY	4	7	4	15	64	5	4	7	5	U/A	3	U/A	4	9	17	4	8	2
CALIFORNIA, DAVIS	46	14	12	55	70	25	28	82	30	6	26	2	29	33	61	52	22	33
CALIFORNIA, IRVINE	103	69	78	91	35	49	45	56	49	43	43	28	61	56	33	73	72	74
CALIFORNIA, LOS ANGELES	8	9	2	1	68	7	5	6	6	1	6	U/A	12	6	45	11	7	4

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CALIFORNIA, RIVERSIDE	102	94	102	99	40	103	95	102	106	48	82	75	108	97	53	105	100	104
CALIFORNIA, SAN DIEGO	60	13	44	83	59	43	25	32	28	11	52	21	40	52	7	26	26	26
CALIFORNIA, SANTA BARBARA	66	98	41	34	27	74	50	46	55	49	65	49	56	95	22	71	46	65
CASE WESTERN RESERVE	93	103	95	86	71	97	93	80	97	73	103	59	70	14	58	66	99	102
CHICAGO	12	21	15	90	U/A	30	30	23	24	8	18	U/A	25	10	54	46	18	26
CINCINNATI	88	87	69	72	53	61	46	44	50	51	84	U/A	49	39	11	64	54	47
COLORADO	52	46	39	18	6	17	63	97	45	32	48	37	26	30	46	75	72	71
COLORADO STATE	106	41	64	87	51	101	103	86	105	72	85	22	103	45	8	103	103	106
COLUMBIA	7	17	6	20	61	8	7	10	7	U/A	8	1	7	29	50	5	5	5
CONNECTICUT	54	36	74	50	75	50	40	53	43	58	59	U/A	52	19	38	62	95	77
CORNELL	11	4	7	3	U/A	9	10	13	10	U/A	14	U/A	13	59	30	3	10	6
DARTMOUTH	83	72	57	80	65	77	82	64	79	38	58	25	84	77	65	87	88	100
DELAWARE	67	67	55	78	44	54	85	90	83	29	23	17	89	88	97	82	81	86
DUKE	19	19	31	97	9	22	38	20	27	22	17	U/A	17	32	64	28	36	38
EMORY	62	53	50	68	69	36	59	17	38	U/A	34	35	55	54	49	59	43	53
FLORIDA	34	61	36	9	11	47	35	60	39	28	88	11	43	16	43	30	40	19
FLORIDA STATE	75	78	73	31	15	64	97	104	94	U/A	73	U/A	53	25	47	77	66	75
GEORGETOWN	82	62	43	79	47	44	44	45	42	31	33	15	85	86	91	40	51	46
GEORGIA	31	45	9	12	U/A	34	56	48	41	33	51	U/A	36	20	84	42	34	36
GEORGIA TECH	95	100	108	45	75	107	108	91	108	91	106	76	105	90	107	97	107	108
GUELPH	73	80	103	100	U/A	106	91	106	107	79	94	74	107	108	100	108	66	105
HARVARD	1	1	1	2	U/A	1	1	1	1	U/A	1	U/A	1	17	63	1	1	1
HAWAII	44	44	21	6	75	67	49	101	63	U/A	64	13	64	102	106	62	87	68
HOUSTON	96	106	98	44	29	94	101	75	99	63	86	57	93	87	31	100	94	90

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
HOWARD	86	105	40	43	75	56	66	95	68	88	102	12	22	107	108	51	68	83
ILLINOIS, CHICAGO	94	73	59	89	31	80	52	55	60	81	97	U/A	47	2	1	53	38	49
ILLINOIS, URBANA	3	5	3	33	U/A	16	19	18	16	5	12	U/A	16	5	2	8	16	12
INDIANA	14	6	19	58	U/A	15	21	15	14	U/A	13	6	32	8	4	13	27	15
IOWA	27	39	26	10	13	35	54	83	51	26	37	18	60	11	48	35	78	50
IOWA STATE	77	75	53	76	75	70	76	74	75	70	79	40	51	55	93	92	84	85
JOHNS HOPKINS	35	52	63	95	75	29	29	5	21	25	24	36	31	53	10	23	25	31
KANSAS	32	40	37	74	17	42	47	62	48	20	27	20	57	24	25	28	50	36
KENT STATE	65	90	104	106	74	104	67	93	90	80	99	U/A	106	68	23	75	81	70
KENTUCKY	51	2	38	13	8	53	61	72	64	74	83	48	48	46	21	57	64	41
LAVAL	81	50	86	108	75	84	27	92	44	57	67	60	82	66	42	54	28	48
LOUISIANA STATE	43	74	67	32	66	39	78	85	70	U/A	38	U/A	54	92	76	66	78	66
MCGILL	45	31	80	103	7	45	23	71	33	30	39	50	63	50	69	45	24	39
MCMASTER	100	89	97	101	75	60	64	107	73	46	50	61	62	79	74	105	49	92
MANITOBA	101	104	107	105	34	102	53	68	69	86	90	67	94	73	77	77	46	72
MARYLAND	61	54	68	16	24	55	34	22	36	60	56	30	74	83	94	36	60	39
MASSACHUSETTS	50	76	94	93	75	108	77	108	104	90	108	66	99	80	87	82	97	102
MIT	56	64	62	94	75	90	55	58	65	77	91	72	91	63	101	38	61	66
MIAMI	92	55	72	53	19	46	75	40	62	18	76	41	39	31	28	47	56	59
MICHIGAN	6	20	5	19	75	4	9	9	8	U/A	5	3	2	27	16	14	9	9
MICHIGAN STATE	36	43	35	17	20	51	48	70	58	35	47	54	65	60	59	59	75	42
MINNESOTA	17	12	17	30	1	13	11	11	12	45	35	4	8	1	34	16	29	16
MISSOURI	47	71	47	8	5	75	94	50	85	53	61	58	75	28	41	73	56	61
NEBRASKA	64	77	58	40	22	76	90	98	92	84	87	29	58	89	35	80	71	80

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NEW MEXICO	89	63	52	7	58	95	42	21	46	34	96	46	102	67	29	42	39	35
NEW YORK	29	48	32	57	46	23	18	16	17	17	21	8	19	78	24	12	33	22
NORTH CAROLINA	20	26	20	42	3	27	26	30	25	19	29	U/A	28	22	82	17	20	20
NORTH CAROLINA STATE	107	96	81	41	21	88	81	54	81	68	80	71	97	44	92	82	70	76
NORTHWESTERN	24	34	22	73	75	37	33	63	37	U/A	41	U/A	41	42	19	24	51	30
NOTRE DAME	59	25	61	81	62	69	92	61	82	37	63	U/A	79	76	68	102	61	90
OHIO STATE	18	28	28	39	63	24	24	43	23	23	36	10	11	43	3	18	23	18
OKLAHOMA	53	81	82	51	10	73	100	76	95	69	78	32	73	41	6	90	102	94
OKLAHOMA STATE	99	99	89	67	73	105	106	29	100	89	107	73	100	58	73	87	106	96
OREGON	74	82	91	92	37	71	84	51	78	27	57	53	83	71	75	82	95	80
PENNSYLVANIA	22	30	29	69	75	28	22	12	22	24	25	U/A	35	57	5	22	35	25
PENNSYLVANIA STATE	26	16	25	46	75	11	20	47	20	U/A	11	U/A	9	26	26	25	11	17
PITTSBURGH	33	35	51	63	72	31	43	28	35	U/A	22	U/A	27	48	27	32	36	32
PRINCETON	16	18	23	62	U/A	12	17	36	18	7	7	9	45	100	18	20	17	23
PURDUE	72	58	88	88	36	65	73	65	71	87	98	51	34	75	66	66	46	57
QUEEN'S	85	86	96	52	14	68	60	103	72	47	53	47	66	103	88	96	51	87
RICE	104	101	99	82	67	92	107	52	101	67	69	65	101	106	103	105	104	107
ROCHESTER	38	95	101	38	38	78	86	81	87	71	95	U/A	50	51	60	57	90	79
RUTGERS	25	37	24	24	2	14	8	42	11	21	28	U/A	10	47	14	20	13	14
SASKATCHEWAN	105	60	100	77	55	58	80	105	86	62	60	70	46	99	51	104	63	98
SOUTH CAROLINA	49	83	65	35	25	85	89	41	77	59	71	19	72	70	40	65	86	84
SOUTHERN CALIFORNIA	39	32	27	36	39	38	32	26	31	40	54	56	23	104	96	41	54	44
SOUTHERN ILLINOIS	58	59	79	48	48	96	87	78	93	76	101	31	76	13	67	97	98	80
STANFORD	10	15	14	25	U/A	3	3	3	3	U/A	2	U/A	3	69	83	7	6	10

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SUNY-ALBANY	108	107	83	70	45	99	98	100	103	78	92	27	98	37	70	94	101	99
SUNY-BUFFALO	40	38	49	27	33	57	51	49	56	61	72	24	59	23	52	33	81	53
SUNY-STONY BROOK	90	88	66	56	57	79	71	96	80	64	93	64	68	36	86	90	78	87
SYRACUSE	55	108	87	22	42	89	88	77	89	83	100	U/A	87	101	85	59	64	69
TEMPLE	63	93	93	98	60	66	72	24	59	65	49	55	86	94	81	54	84	72
TENNESSEE	76	85	75	61	30	81	83	88	88	41	68	43	71	62	36	66	45	55
TEXAS	5	8	11	14	75	21	14	14	13	14	20	7	18	35	37	10	3	8
TEXAS A&M	70	47	45	26	75	41	69	37	57	56	45	52	42	12	9	54	41	42
TORONTO	9	3	18	104	4	6	2	25	2	2	4	5	6	61	79	6	2	3
TULANE	79	91	84	84	18	87	102	84	98	50	70	39	90	85	56	81	90	95
UTAH	80	65	105	71	28	98	96	57	96	U/A	42	69	104	82	78	92	72	77
VANDERBILT	71	57	90	85	56	59	57	38	54	U/A	66	45	67	74	71	39	42	45
VIRGINIA	23	22	16	11	26	26	37	35	32	16	32	14	33	21	32	36	31	34
VPI & SU	91	79	77	5	49	40	99	87	84	85	89	38	21	65	57	87	89	60
WASHINGTON	15	10	10	4	U/A	20	13	34	15	36	55	U/A	5	3	90	15	15	13
WASHINGTON STATE	97	102	46	60	U/A	100	79	79	91	75	104	U/A	78	38	102	100	77	89
WASHINGTON U.-ST. LOUIS	41	49	71	75	U/A	32	65	33	40	52	62	U/A	24	49	15	47	56	56
WATERLOO	98	66	92	107	75	82	62	99	74	54	44	42	92	105	98	97	69	100
WAYNE STATE	42	33	42	49	54	48	58	39	53	39	31	34	77	18	89	47	92	62
WESTERN ONTARIO	68	70	60	65	75	52	36	94	47	42	75	44	37	96	99	94	29	58
WISCONSIN	13	24	13	37	52	10	12	4	9	9	15	U/A	14	4	13	9	20	11
YALE	2	11	8	28	16	2	6	2	4	3	9	U/A	15	84	55	2	4	7
YORK	78	68	70	59	75	72	41	73	52	U/A	46	U/A	88	91	104	77	44	63

U/A - Unavailable ( ) Number of institutions reporting data

RANK ORDER TABLES OF UNIVERSITY LIBRARIES

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- over 9,000
2- 8,000-8,999
3- 7,000-7,999
4- 6,000-6,999
5- 5,000-5,999
6- 4,000-4,999
7- 3,000-3,999
8- 2,000-2,999
9- 1,000-1,999

Gp	Rank	Institution	Value
1	1	HARVARD	12,394,894
	2	YALE	9,173,981
2	3	ILLINOIS, URBANA	8,096,040
3	4	CALIFORNIA, BERKELEY	7,854,630
4	5	TEXAS	6,680,406
	6	MICHIGAN	6,598,574
	7	COLUMBIA	6,262,162
	8	CALIFORNIA, LOS ANGELES	6,247,320
	9	TORONTO	6,246,692
	10	STANFORD	6,127,388
5	11	CORNELL	5,468,870
	12	CHICAGO	5,448,621
	13	WISCONSIN	5,317,380
	14	INDIANA	5,264,138
	15	WASHINGTON	5,163,302
6	16	PRINCETON	4,965,358
	17	MINNESOTA	4,908,982
	18	OHIO STATE	4,603,310
	19	DUKE	4,134,361
7	20	NORTH CAROLINA	3,956,238
	21	ARIZONA	3,915,913
	22	PENNSYLVANIA	3,844,414
	23	VIRGINIA	3,842,344
	24	NORTHWESTERN	3,607,533
	25	RUTGERS	3,367,663
	26	PENNSYLVANIA STATE	3,318,118
	27	IOWA	3,253,141
	28	ALBERTA	3,240,325
	29	NEW YORK	3,224,145
	30	BRITISH COLUMBIA	3,113,492
	31	GEORGIA	3,048,491
	32	KANSAS	3,043,964
	33	PITTSBURGH	3,041,139
8	34	FLORIDA	2,974,962
	35	JOHNS HOPKINS	2,961,160
	36	MICHIGAN STATE	2,860,874
	37	ARIZONA STATE	2,826,679
	38	ROCHESTER	2,774,892
	39	SOUTHERN CALIFORNIA	2,764,865
	40	SUNY-BUFFALO	2,724,222
	41	WASHINGTON U.-ST. LOUIS	2,703,584
	42	WAYNE STATE	2,667,088
	43	LOUISIANA STATE	2,654,485
	44	HAWAII	2,651,257
	45	MCGILL	2,621,044
	46	CALIFORNIA, DAVIS	2,588,728
	47	MISSOURI	2,579,253
	48	BROWN	2,551,187
	49	SOUTH CAROLINA	2,526,408
	50	MASSACHUSETTS	2,511,558
	51	KENTUCKY	2,459,497
	52	COLORADO	2,427,603
	53	OKLAHOMA	2,381,304
	54	CONNECTICUT	2,372,350
	55	SYRACUSE	2,367,269
	56	MIT	2,267,948
	57	BRIGHAM YOUNG	2,201,720
	58	SOUTHERN ILLINOIS	2,199,824
	59	NOTRE DAME	2,196,117
	60	CALIFORNIA, SAN DIEGO	2,188,722
	61	MARYLAND	2,174,628
	62	EMORY	2,167,978
	63	TEMPLE	2,146,396
	64	NEBRASKA	2,107,439
	65	KENT STATE	2,102,646
	66	CALIFORNIA, SANTA BARBARA	2,074,813
	67	DELAWARE	2,070,441
	68	WESTERN ONTARIO	2,060,766
	69	AUBURN	2,058,211
	70	TEXAS A&M	2,035,896
	71	VANDERBILT	2,026,237
	72	PURDUE	2,022,781
	73	GUELPH	2,015,541
9	74	OREGON	1,981,160
	75	FLORIDA STATE	1,979,112
	76	TENNESSEE	1,959,168
	77	IOWA STATE	1,955,213
	78	YORK	1,948,992
	79	TULANE	1,946,312
	80	UTAH	1,927,315
	81	LAVAL	1,926,878
	82	GEORGETOWN	1,910,975
	83	DARTMOUTH	1,910,775
	84	ALABAMA	1,902,029
	85	QUEEN'S	1,885,591
	86	HOWARD	1,867,721
	87	BOSTON	1,849,410
	88	CINCINNATI	1,837,615
	89	NEW MEXICO	1,815,957
	90	SUNY-STONY BROOK	1,807,481
	91	VPI & SU	1,798,975
	92	MIAMI	1,797,242
	93	CASE WESTERN RESERVE	1,765,412
	94	ILLINOIS, CHICAGO	1,742,197
	95	GEORGIA TECH	1,737,745
	96	HOUSTON	1,681,558
	97	WASHINGTON STATE	1,679,500
	98	WATERLOO	1,676,711
	99	OKLAHOMA STATE	1,630,326
	100	MCMASTER	1,617,839
	101	MANITOBA	1,573,902
	102	CALIFORNIA, RIVERSIDE	1,561,662
	103	CALIFORNIA, IRVINE	1,556,279
	104	RICE	1,534,744
	105	SASKATCHEWAN	1,502,554
	106	COLORADO STATE	1,450,456
	107	NORTH CAROLINA STATE	1,445,957
	108	SUNY-ALBANY	1,343,865

Figure for some institutions includes government documents. See also Rank Order Table 5: Government Documents.

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 250,000 and over
2- 220,000-249,999
3- 190,000-219,999
4- 160,000-189,999
5- 130,000-159,999
6- 100,000-129,999
7- 70,000- 99,999
8- 40,000- 69,999
9- under 39,999

Gp	Rank	Institution	Value
1	1	HARVARD	284,662
2	2	KENTUCKY	248,629
3	3	TORONTO	198,427
	4	CORNELL	197,144
4	5	ILLINOIS, URBANA	177,210
	6	INDIANA	177,034
	7	CALIFORNIA, BERKELEY	176,620
	8	TEXAS	171,565
	9	CALIFORNIA, LOS ANGELES	167,513
	10	WASHINGTON	166,626
	11	YALE	166,330
	12	MINNESOTA	161,779
5	13	CALIFORNIA, SAN DIEGO	155,382
	14	CALIFORNIA, DAVIS	154,975
	15	STANFORD	153,562
	16	PENNSYLVANIA STATE	152,383
	17	COLUMBIA	134,967
	18	PRINCETON	133,642
	19	DUKE	130,112
6	20	MICHIGAN	129,997
	21	CHICAGO	124,883
	22	VIRGINIA	124,231
	23	ARIZONA STATE	119,377
	24	WISCONSIN	117,512
	25	NOTRE DAME	111,012
	26	NORTH CAROLINA	109,666
	27	ARIZONA	108,073
	28	OHIO STATE	106,051
	29	BRITISH COLUMBIA	102,065
7	30	PENNSYLVANIA	96,741
	31	MCGILL	95,887
	32	SOUTHERN CALIFORNIA	94,570
	33	WAYNE STATE	90,139
	34	NORTHWESTERN	88,999
	35	PITTSBURGH	87,914
	36	CONNECTICUT	87,474
	37	RUTGERS	87,263
	38	SUNY-BUFFALO	84,997
	39	IOWA	84,924
	40	KANSAS	84,054
	41	COLORADO STATE	82,747
	42	ALBERTA	81,996
	43	MICHIGAN STATE	81,612
	44	HAWAII	81,038
	45	GEORGIA	80,152
	46	COLORADO	80,038
	47	TEXAS A&M	76,004
	48	NEW YORK	75,589
	49	WASHINGTON U.-ST. LOUIS	74,800
	50	LAVAL	72,396
	51	BRIGHAM YOUNG	70,642
	52	JOHNS HOPKINS	70,427
	53	EMORY	70,393
	54	MARYLAND	70,237
8	55	MIAMI	69,861
	56	AUBURN	67,417
	57	VANDERBILT	67,066
	58	PURDUE	66,375
	59	SOUTHERN ILLINOIS	66,220
	60	SASKATCHEWAN	63,094
	61	FLORIDA	62,708
	62	GEORGETOWN	62,633
	63	NEW MEXICO	61,951
	64	MIT	58,857
	65	UTAH	58,830
	66	WATERLOO	58,585
	67	DELAWARE	58,374
	68	YORK	57,462
	69	CALIFORNIA, IRVINE	57,453
	70	WESTERN ONTARIO	57,348
	71	MISSOURI	55,583
	72	DARTMOUTH	54,626
	73	ILLINOIS, CHICAGO	54,139
	74	LOUISIANA STATE	53,713
	75	IOWA STATE	53,639
	76	MASSACHUSETTS	52,985
	77	NEBRASKA	52,772
	78	FLORIDA STATE	52,626
	79	VPI & SU	51,996
	80	GUELPH	51,423
	81	OKLAHOMA	51,256
	82	OREGON	51,037
	83	SOUTH CAROLINA	50,912
	84	BOSTON	50,185
	85	TENNESSEE	49,630
	86	QUEEN'S	49,264
	87	CINCINNATI	48,809
	88	SUNY-STONY BROOK	48,433
	89	MCMASTER	48,336
	90	KENT STATE	48,065
	91	TULANE	47,839
	92	BROWN	47,535
	93	TEMPLE	47,034
	94	CALIFORNIA, RIVERSIDE	46,296
	95	ROCHESTER	45,209
	96	NORTH CAROLINA STATE	44,454
	97	ALABAMA	43,357
	98	CALIFORNIA, SANTA BARBARA	42,910
	99	OKLAHOMA STATE	42,004
	100	GEORGIA TECH	41,166
9	101	RICE	37,325
	102	WASHINGTON STATE	37,288
	103	CASE WESTERN RESERVE	37,087
	104	MANITOBA	36,682
	105	HOWARD	36,171
	106	HOUSTON	34,420
	107	SUNY-ALBANY	32,872
	108	SYRACUSE	26,493

RANK ORDER TABLE 3: CURRENT SERIALS (TOTAL)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 55,000 and over
2- 50,000-54,999
3- 45,000-49,999
4- 40,000-44,999
5- 35,000-39,999
6- 30,000-34,999
7- 25,000-29,999
8- 20,000-24,999
9- 15,000-19,999
10- under 15,000

Gp	Rank	Institution	Value
1	1	HARVARD	96,019
	2	CALIFORNIA, LOS ANGELES	94,156
	3	ILLINOIS, URBANA	91,011
	4	CALIFORNIA, BERKELEY	88,374
	5	MICHIGAN	69,745
	6	COLUMBIA	63,012
	7	CORNELL	59,889
2	8	YALE +	54,601
	9	GEORGIA	53,516
	10	WASHINGTON	53,300
	11	TEXAS	52,867
	12	CALIFORNIA, DAVIS	51,122
3	13	WISCONSIN +	48,699
	14	STANFORD	47,705
	15	CHICAGO +	46,072
	16	VIRGINIA	45,245
4	17	MINNESOTA	43,478
	18	TORONTO	41,499
5	19	INDIANA	39,775
	20	NORTH CAROLINA	39,043
	21	HAWAII	37,601
	22	NORTHWESTERN	37,412
6	23	PRINCETON	34,287
	24	RUTGERS	33,270
	25	PENNSYLVANIA STATE	33,177
	26	IOWA	33,112
	27	SOUTHERN CALIFORNIA	32,672
	28	OHIO STATE	32,381
	29	PENNSYLVANIA	32,179
	30	ARIZONA STATE	31,694
	31	DUKE +	31,107
7	32	NEW YORK	29,244
	33	BOSTON	28,577
	34	ARIZONA	28,322
	35	MICHIGAN STATE	28,180
	36	FLORIDA +	27,710
	37	KANSAS +	27,391
	38	KENTUCKY	27,341
	39	COLORADO	27,313
	40	HOWARD +	26,038
	41	CALIFORNIA, SANTA BARBARA	25,400
8	42	WAYNE STATE	24,592
	43	GEORGETOWN +	24,441
	44	CALIFORNIA, SAN DIEGO	24,388
	45	TEXAS A&M +	24,319
	46	WASHINGTON STATE	23,386
	47	MISSOURI	22,973
	48	BRITISH COLUMBIA	22,950
	49	SUNY-BUFFALO +	22,643
	50	EMORY	22,571
	51	PITTSBURGH	22,041
	52	NEW MEXICO	21,933
	53	IOWA STATE	21,894
	54	ALBERTA	21,844
	55	DELAWARE +	21,656
	56	AUBURN	21,522
	57	DARTMOUTH	21,477
	58	NEBRASKA	21,459
	59	ILLINOIS, CHICAGO	21,410
	60	WESTERN ONTARIO	21,341
	61	NOTRE DAME +	20,863
	62	MIT	20,858
	63	JOHNS HOPKINS	20,838
	64	COLORADO STATE	20,753
	65	SOUTH CAROLINA	20,722
	66	SUNY-STONY BROOK	20,629
	67	LOUISIANA STATE +	20,233
	68	MARYLAND	20,086
9	69	CINCINNATI	19,885
	70	YORK	19,629
	71	WASHINGTON U.-ST. LOUIS +	19,113
	72	MIAMI	18,853
	73	FLORIDA STATE +	18,436
	74	CONNECTICUT +	18,283
	75	TENNESSEE	18,269
	76	BRIGHAM YOUNG	18,048
	77	VPI & SU	18,000
	78	CALIFORNIA, IRVINE	17,642
	79	SOUTHERN ILLINOIS +	17,600
	80	MCGILL +	17,541
	81	NORTH CAROLINA STATE	17,442
	82	OKLAHOMA	17,400
	83	SUNY-ALBANY	17,080
	84	TULANE +	16,888
	85	ALABAMA	16,878
	86	LAVAL	16,574
	87	SYRACUSE +	16,559
	88	PURDUE +	16,357
10	89	OKLAHOMA STATE	16,131
	90	VANDERBILT +	16,008
	91	OREGON	15,991
	92	WATERLOO	15,785
	93	TEMPLE +	15,654
	94	MASSACHUSETTS	15,522
	95	CASE WESTERN RESERVE	15,517
	96	QUEEN'S +	15,390
	97	MCMASTER	15,334
	98	HOUSTON +	14,374
	99	RICE	14,108
	100	SASKATCHEWAN	13,851
	101	ROCHESTER	13,309
	102	CALIFORNIA, RIVERSIDE	12,951
	103	GUELPH	12,895
	104	KENT STATE	12,856
	105	UTAH	12,616
	106	BROWN	12,308
	107	MANITOBA +	11,830
	108	GEORGIA TECH	10,900

+ - Figure does not include government document serials.

RANK ORDER TABLE 4: MICROFORM HOLDINGS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 5,000 and over
2- 4,500-4,999
3- 4,000-4,499
4- 3,500-3,999
5- 3,000-3,499
6- 2,500-2,999
7- 2,000-2,499
8- 1,500-1,999
9- under 1,500

Gp	Rank	Institution	Value
1	1	CALIFORNIA, LOS ANGELES	6,377,470
	2	HARVARD	6,335,484
	3	CORNELL	5,833,564
	4	WASHINGTON	5,730,164
	5	VPI & SU	5,296,475
	6	HAWAII	5,242,164
	7	NEW MEXICO	5,111,453
	8	MISSOURI	5,012,692
2	9	FLORIDA	4,876,516
	10	IOWA	4,873,174
	11	VIRGINIA	4,871,904
	12	GEORGIA	4,865,800
	13	KENTUCKY	4,861,232
	14	TEXAS	4,779,137
	15	CALIFORNIA, BERKELEY	4,666,786
	16	MARYLAND	4,650,166
	17	MICHIGAN STATE	4,610,166
	18	COLORADO	4,524,983
3	19	MICHIGAN	4,495,426
	20	COLUMBIA	4,460,914
	21	ARIZONA STATE	4,410,042
	22	SYRACUSE	4,332,259
	23	ARIZONA	4,326,629
	24	RUTGERS	4,314,783
	25	STANFORD	4,119,839
	26	TEXAS A&M	4,117,417
	27	SUNY-BUFFALO	4,093,112
	28	YALE	4,020,003
	29	BRITISH COLUMBIA	4,013,967
4	30	MINNESOTA	3,936,564
	31	FLORIDA STATE	3,933,253
	32	LOUISIANA STATE	3,923,432
	33	ILLINOIS, URBANA	3,897,360
	34	CALIFORNIA, SANTA BARBARA	3,780,057
	35	SOUTH CAROLINA	3,777,699
	36	SOUTHERN CALIFORNIA	3,765,719
	37	WISCONSIN	3,755,241
	38	ROCHESTER	3,661,525
	39	OHIO STATE	3,549,712
5	40	NEBRASKA	3,498,537
	41	NORTH CAROLINA STATE	3,471,325
	42	NORTH CAROLINA	3,462,277
	43	HOWARD	3,413,178
	44	HOUSTON	3,395,807
	45	GEORGIA TECH	3,337,128
	46	PENNSYLVANIA STATE	3,333,266
	47	ALBERTA	3,321,148
	48	SOUTHERN ILLINOIS	3,274,660
	49	WAYNE STATE	3,271,271
	50	CONNECTICUT	3,228,043
	51	OKLAHOMA	3,216,398
	52	QUEEN'S	3,133,082
	53	MIAMI	3,118,081
	54	BOSTON	3,092,179
6	55	CALIFORNIA, DAVIS	3,082,956
	56	SUNY-STONY BROOK	3,080,940
	57	NEW YORK	3,074,824
	58	INDIANA	2,971,921
	59	YORK	2,848,626
	60	WASHINGTON STATE	2,827,170
	61	TENNESSEE	2,820,840
	62	PRINCETON	2,813,879
	63	PITTSBURGH	2,811,102
	64	ALABAMA	2,723,168
	65	WESTERN ONTARIO	2,708,408
	66	AUBURN	2,672,479
	67	OKLAHOMA STATE	2,652,606
	68	EMORY	2,643,633
	69	PENNSYLVANIA	2,626,937
	70	SUNY-ALBANY	2,619,469
	71	UTAH	2,603,514
	72	CINCINNATI	2,567,265
	73	NORTHWESTERN	2,539,884
	74	KANSAS	2,510,217
7	75	WASHINGTON U.-ST. LOUIS	2,469,803
	76	IOWA STATE	2,457,850
	77	SASKATCHEWAN	2,423,431
	78	DELAWARE	2,354,829
	79	GEORGETOWN	2,320,345
	80	DARTMOUTH	2,313,143
	81	NOTRE DAME	2,223,729
	82	RICE	2,197,466
	83	CALIFORNIA, SAN DIEGO	2,193,507
	84	TULANE	2,114,185
	85	VANDERBILT	2,048,884
	86	CASE WESTERN RESERVE	2,016,248
8	87	COLORADO STATE	1,953,495
	88	PURDUE	1,947,269
	89	ILLINOIS, CHICAGO	1,941,997
	90	CHICAGO	1,939,074
	91	CALIFORNIA, IRVINE	1,927,065
	92	OREGON	1,923,685
	93	MASSACHUSETTS	1,911,953
	94	MIT	1,893,561
	95	JOHNS HOPKINS	1,842,302
	96	BRIGHAM YOUNG	1,839,299
	97	DUKE	1,719,587
	98	TEMPLE	1,640,912
9	99	CALIFORNIA, RIVERSIDE	1,419,486
	100	GUELPH	1,291,817
	101	MCMASTER	1,284,911
	102	BROWN	1,236,258
	103	MCGILL	1,204,911
	104	TORONTO	1,175,172
	105	MANITOBA	1,152,262
	106	KENT STATE	1,033,465
	107	WATERLOO	1,020,423
	108	LAVAL	1,018,141

RANK ORDER TABLE 5: GOVERNMENT DOCUMENTS

This table reflects separately-housed government documents NOT ALREADY COUNTED as Volumes in Library (Table 1). Some institutions' holdings are split between Tables 1 and 5. A "0" in this table may indicate that all documents holdings have been included with Volumes. See Footnotes and statistics instructions in appendix for further clarification.

Group Ranges (in thousands) are:

1- 2,100 and over
2- 1,800-2,099
3- 1,500-1,799
4- 1,200-1,499
5- 900-1,199
6- 600-899
7- 300-599
8- below 300
9- none (see left)

Gp	Rank	Institution	Value
1	1	MINNESOTA	2,942,798
	2	RUTGERS	2,451,432
2	3	NORTH CAROLINA	1,813,651
3	4	TORONTO	1,680,435
	5	MISSOURI	1,665,135
	6	COLORADO	1,500,819
4	7	MCGILL	1,471,661
	8	KENTUCKY	1,254,294
	9	DUKE	1,200,418
5	10	OKLAHOMA	1,191,992
	11	FLORIDA	1,144,248
	12	ALABAMA	1,063,928
	13	IOWA	983,021
	14	QUEEN'S	967,200
	15	FLORIDA STATE	960,549
	16	YALE	958,649
	17	KANSAS	956,988
	18	TULANE	930,988
	19	MIAMI	930,000
6	20	MICHIGAN STATE	865,787
	21	NORTH CAROLINA STATE	829,844
	22	NEBRASKA	823,385
	23	BRITISH COLUMBIA	769,682
	24	MARYLAND	749,228
	25	SOUTH CAROLINA	709,665
	26	VIRGINIA	682,440
	27	CALIFORNIA, SANTA BARBARA	675,611
	28	UTAH	674,610
	29	HOUSTON	625,032
	30	TENNESSEE	619,759
	31	ILLINOIS, CHICAGO	606,209
7	32	ARIZONA STATE	568,497
	33	SUNY-BUFFALO	530,112
	34	MANITOBA	480,599
	35	CALIFORNIA, IRVINE	474,699
	36	PURDUE	466,023
	37	OREGON	465,277
	38	ROCHESTER	444,014
	39	SOUTHERN CALIFORNIA	425,944
	40	CALIFORNIA, RIVERSIDE	413,230
	41	ALBERTA	411,229
	42	SYRACUSE	399,552
	43	AUBURN	394,655
	44	DELAWARE	393,406
	45	SUNY-ALBANY	381,123
	46	NEW YORK	377,759
	47	GEORGETOWN	375,390
	48	SOUTHERN ILLINOIS	372,501
	49	VPI & SU	354,070
	50	BRIGHAM YOUNG	343,531
	51	COLORADO STATE	339,993
	52	WISCONSIN	334,310
	53	CINCINNATI	327,781
	54	WAYNE STATE	307,411
	55	SASKATCHEWAN	307,385
8	56	VANDERBILT	291,711
	57	SUNY-STONY BROOK	274,050
	58	NEW MEXICO	271,708
	59	CALIFORNIA, SAN DIEGO	241,400
	60	TEMPLE	170,303
	61	COLUMBIA	159,960
	62	NOTRE DAME	146,065
	63	OHIO STATE	121,388
	64	CALIFORNIA, BERKELEY	108,749
	65	DARTMOUTH	90,704
	66	LOUISIANA STATE	86,624
	67	RICE	77,600
	68	CALIFORNIA, LOS ANGELES	69,737
	69	EMORY	66,781
	70	CALIFORNIA, DAVIS	33,495
	71	CASE WESTERN RESERVE	28,425
	72	PITTSBURGH	5,823
	73	OKLAHOMA STATE	200
	74	KENT STATE	81
9	75	ARIZONA	0
	75	CONNECTICUT	0
	75	GEORGIA TECH	0
	75	HAWAII	0
	75	HOWARD	0
	75	IOWA STATE	0
	75	JOHNS HOPKINS	0
	75	LAVAL	0
	75	MCMASTER	0
	75	MASSACHUSETTS	0
	75	MIT	0
	75	MICHIGAN	0
	75	NORTHWESTERN	0
	75	PENNSYLVANIA	0
	75	PENNSYLVANIA STATE	0
	75	TEXAS	0
	75	TEXAS A&M	0
	75	WATERLOO	0
	75	WESTERN ONTARIO	0
	75	YORK	0
		BOSTON	U/A
		BROWN	U/A
		CHICAGO	U/A
		CORNELL	U/A
		GEORGIA	U/A
		GUELPH	U/A
		HARVARD	U/A
		ILLINOIS, URBANA	U/A
		INDIANA	U/A
		PRINCETON	U/A
		STANFORD	U/A
		WASHINGTON	U/A
		WASHINGTON STATE	U/A
		WASHINGTON U.-ST. LOUIS	U/A

U/A - Unavailable

RANK ORDER TABLE 6: MATERIALS EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 7,000 and over
2- 6,500-6,999
3- 6,000-6,499
4- 5,500-5,999
5- 5,000-5,499
6- 4,500-4,999
7- 4,000-4,499
8- 3,500-3,999
9- 3,000-3,499
10- under 3,000

Gp	Rank	Institution	Value
1	1	HARVARD	12,522,340
	2	YALE	10,215,000
	3	STANFORD	9,574,272
	4	MICHIGAN	9,152,547
	5	CALIFORNIA, BERKELEY	8,867,640
	6	TORONTO	8,481,130
	7	CALIFORNIA, LOS ANGELES	8,330,766
	8	COLUMBIA	7,677,212
	9	CORNELL	7,471,810
	10	WISCONSIN	7,076,924
2	11	PENNSYLVANIA STATE	6,921,170
	12	PRINCETON	6,879,097
	13	MINNESOTA	6,829,663
	14	RUTGERS	6,757,292
	15	INDIANA	6,650,828
	16	ILLINOIS, URBANA	6,620,753
	17	COLORADO	6,536,336
3	18	ARIZONA STATE	6,497,153
	19	ARIZONA	6,193,948
	20	WASHINGTON	6,129,218
	21	TEXAS	6,120,264
	22	DUKE	6,112,740
4	23	NEW YORK	5,976,260
	24	OHIO STATE	5,974,013
	25	CALIFORNIA, DAVIS	5,801,977
	26	VIRGINIA	5,740,600
	27	NORTH CAROLINA	5,728,034
	28	PENNSYLVANIA	5,722,333
	29	JOHNS HOPKINS	5,716,366
	30	CHICAGO	5,683,542
	31	PITTSBURGH	5,633,177
	32	WASHINGTON U.-ST. LOUIS	5,566,315
	33	BRITISH COLUMBIA	5,542,120
5	34	GEORGIA	5,446,525
	35	IOWA	5,112,011
	36	EMORY	5,048,232
	37	NORTHWESTERN	5,020,443
6	38	SOUTHERN CALIFORNIA	4,994,473
	39	LOUISIANA STATE	4,777,216
	40	VPI & SU	4,722,527
	41	TEXAS A&M	4,683,877
	42	KANSAS	4,649,804
	43	CALIFORNIA, SAN DIEGO	4,618,958
	44	GEORGETOWN	4,525,512
	45	MCGILL	4,509,401
7	46	MIAMI	4,405,982
	47	FLORIDA	4,332,338
	48	WAYNE STATE	4,320,679
	49	CALIFORNIA, IRVINE	4,314,346
	50	CONNECTICUT	4,211,234
	51	MICHIGAN STATE	4,189,261
	52	WESTERN ONTARIO	4,177,055
	53	KENTUCKY	4,163,617
	54	DELAWARE	4,156,510
	55	MARYLAND	4,145,947
	56	HOWARD	4,109,735
	57	SUNY-BUFFALO	4,104,424
	58	SASKATCHEWAN	4,100,394
	59	VANDERBILT	4,100,153
	60	MCMASTER	4,041,262
	61	CINCINNATI	4,020,609
	62	ALBERTA	4,006,122
8	63	BRIGHAM YOUNG	3,996,308
	64	FLORIDA STATE	3,982,605
	65	PURDUE	3,951,096
	66	TEMPLE	3,948,240
	67	HAWAII	3,914,724
	68	QUEEN'S	3,913,233
	69	NOTRE DAME	3,868,849
	70	IOWA STATE	3,837,230
	71	OREGON	3,827,935
	72	YORK	3,778,768
	73	OKLAHOMA	3,775,208
	74	CALIFORNIA, SANTA BARBARA	3,764,760
	75	MISSOURI	3,740,088
	76	NEBRASKA	3,705,454
	77	DARTMOUTH	3,702,350
	78	ROCHESTER	3,696,683
	79	SUNY-STONY BROOK	3,677,711
	80	ILLINOIS, CHICAGO	3,670,611
	81	TENNESSEE	3,647,796
	82	WATERLOO	3,605,338
	83	BROWN	3,596,454
	84	LAVAL	3,579,643
	85	SOUTH CAROLINA	3,540,603
	86	AUBURN	3,523,799
	87	TULANE	3,510,478
9	88	NORTH CAROLINA STATE	3,439,162
	89	SYRACUSE	3,395,055
	90	MIT	3,365,671
	91	ALABAMA	3,343,629
	92	RICE	3,330,809
	93	BOSTON	3,306,921
	94	HOUSTON	3,253,758
	95	NEW MEXICO	3,208,729
	96	SOUTHERN ILLINOIS	3,187,222
	97	CASE WESTERN RESERVE	3,159,556
	98	UTAH	3,146,399
	99	SUNY-ALBANY	3,024,840
	100	WASHINGTON STATE	3,001,342
10	101	COLORADO STATE	2,941,891
	102	MANITOBA	2,859,245
	103	CALIFORNIA, RIVERSIDE	2,573,692
	104	KENT STATE	2,519,578
	105	OKLAHOMA STATE	2,430,158
	106	GUELPH	2,373,305
	107	GEORGIA TECH	2,260,099
	108	MASSACHUSETTS	2,167,349

RANK ORDER TABLE 7: SALARIES AND WAGES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 12,000 and over
2- 11,000-11,999
3- 10,000-10,999
4- 9,000-9,999
5- 8,000-8,999
6- 7,000-7,999
7- 6,000-6,999
8- 5,000-5,999
9- 4,000-4,999
10- under 4,000

Gp	Rank	Institution	Value
1	1	HARVARD	29,467,319
	2	TORONTO	21,544,769
	3	STANFORD	17,349,508
	4	CALIFORNIA, BERKELEY	16,772,973
	5	CALIFORNIA, LOS ANGELES	15,845,766
	6	YALE	15,446,800
	7	COLUMBIA	14,660,442
	8	RUTGERS	13,875,885
	9	MICHIGAN	12,261,712
	10	CORNELL	12,153,004
2	11	MINNESOTA	11,721,287
	12	WISCONSIN	11,638,379
	13	WASHINGTON	11,548,546
	14	TEXAS	11,421,645
	15	BRITISH COLUMBIA	11,235,560
3	16	ALBERTA	10,528,252
	17	PRINCETON	10,407,869
	18	NEW YORK	10,275,683
	19	ILLINOIS, URBANA	10,255,126
	20	PENNSYLVANIA STATE	10,188,030
	21	INDIANA	10,015,106
4	22	PENNSYLVANIA	9,309,039
	23	MCGILL	9,302,657
	24	OHIO STATE	9,217,008
	25	CALIFORNIA, SAN DIEGO	9,102,694
5	26	NORTH CAROLINA	8,840,854
	27	LAVAL	8,769,167
	28	CALIFORNIA, DAVIS	8,616,050
	29	JOHNS HOPKINS	8,550,438
	30	CHICAGO	8,367,870
	31	ARIZONA STATE	8,090,824
	32	SOUTHERN CALIFORNIA	8,040,274
6	33	NORTHWESTERN	7,939,875
	34	MARYLAND	7,838,076
	35	FLORIDA	7,805,007
	36	WESTERN ONTARIO	7,668,949
	37	VIRGINIA	7,436,265
	38	DUKE	7,423,565
	39	ARIZONA	7,310,780
	40	CONNECTICUT	7,256,929
	41	YORK	7,198,474
7	42	NEW MEXICO	6,935,679
	43	PITTSBURGH	6,919,751
	44	GEORGETOWN	6,799,157
	45	CALIFORNIA, IRVINE	6,636,359
	46	CINCINNATI	6,527,188
	47	KANSAS	6,489,016
	48	MICHIGAN STATE	6,479,507
	49	HAWAII	6,476,416
	50	CALIFORNIA, SANTA BARBARA	6,422,971
	51	SUNY-BUFFALO	6,353,276
	52	ILLINOIS, CHICAGO	6,309,013
	53	MANITOBA	6,284,734
	54	IOWA	6,154,639
	55	MIT	6,071,503
	56	GEORGIA	6,028,941
8	57	VANDERBILT	5,964,319
	58	WAYNE STATE	5,812,082
	59	EMORY	5,746,785
	60	QUEEN'S	5,667,365
	61	KENTUCKY	5,643,828
	62	WATERLOO	5,608,095
	63	COLORADO	5,572,703
	64	MCMASTER	5,571,925
	65	WASHINGTON U.-ST. LOUIS	5,517,397
	66	HOWARD	5,517,080
	67	KENT STATE	5,471,639
	68	BOSTON	5,277,208
	69	TEXAS A&M	5,263,096
	70	BRIGHAM YOUNG	5,152,447
	71	SUNY-STONY BROOK	5,104,478
	72	TEMPLE	5,069,014
	73	PURDUE	5,039,820
9	74	BROWN	4,876,498
	75	MIAMI	4,872,696
	76	IOWA STATE	4,817,923
	77	MASSACHUSETTS	4,780,594
	78	LOUISIANA STATE	4,706,095
	79	WASHINGTON STATE	4,646,391
	80	SASKATCHEWAN	4,544,895
	81	NORTH CAROLINA STATE	4,539,686
	82	DARTMOUTH	4,505,480
	83	TENNESSEE	4,463,215
	84	OREGON	4,338,154
	85	DELAWARE	4,332,891
	86	ROCHESTER	4,324,539
	87	SOUTHERN ILLINOIS	4,323,140
	88	SYRACUSE	4,268,651
	89	SOUTH CAROLINA	4,258,239
	90	NEBRASKA	4,256,079
	91	GUELPH	4,244,988
	92	NOTRE DAME	4,200,539
10	93	CASE WESTERN RESERVE	3,983,856
	94	MISSOURI	3,936,083
	95	CALIFORNIA, RIVERSIDE	3,929,157
	96	UTAH	3,829,828
	97	FLORIDA STATE	3,793,966
	98	SUNY-ALBANY	3,709,430
	99	VPI & SU	3,632,360
	100	OKLAHOMA	3,528,332
	101	HOUSTON	3,490,779
	102	TULANE	3,473,472
	103	COLORADO STATE	3,384,126
	104	AUBURN	3,307,763
	105	ALABAMA	3,264,553
	106	OKLAHOMA STATE	2,936,557
	107	RICE	2,756,836
	108	GEORGIA TECH	2,269,699

RANK ORDER TABLE 8: OTHER OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- 500-999
9- under 500

Gp	Rank	Institution	Value
1	1	HARVARD	11,522,625
	2	YALE	5,431,400
	3	STANFORD	5,293,586
	4	WISCONSIN	4,577,385
	5	JOHNS HOPKINS	4,558,781
2	6	CALIFORNIA, LOS ANGELES	3,876,107
	7	CALIFORNIA, BERKELEY	3,858,902
	8	AUBURN	3,805,218
	9	MICHIGAN	3,777,715
	10	COLUMBIA	3,726,482
	11	MINNESOTA	3,555,885
	12	PENNSYLVANIA	3,502,534
3	13	CORNELL	3,487,300
	14	TEXAS	3,346,601
	15	INDIANA	3,341,167
	16	NEW YORK	3,321,810
4	17	EMORY	2,976,681
	18	ILLINOIS, URBANA	2,807,348
	19	BROWN	2,747,081
	20	DUKE	2,716,906
	21	NEW MEXICO	2,651,722
	22	MARYLAND	2,597,506
	23	CHICAGO	2,575,359
5	24	TEMPLE	2,470,968
	25	TORONTO	2,459,572
	26	SOUTHERN CALIFORNIA	2,378,752
	27	BRITISH COLUMBIA	2,210,511
	28	PITTSBURGH	2,196,075
	29	OKLAHOMA STATE	2,183,360
	30	NORTH CAROLINA	2,132,545
	31	ARIZONA STATE	2,106,625
	32	CALIFORNIA, SAN DIEGO	2,102,904
	33	WASHINGTON U.-ST. LOUIS	2,102,686
	34	WASHINGTON	2,064,585
	35	VIRGINIA	2,062,350
	36	PRINCETON	2,055,447
	37	TEXAS A&M	2,027,294
	38	VANDERBILT	2,023,438
6	39	WAYNE STATE	1,978,689
	40	MIAMI	1,862,537
	41	SOUTH CAROLINA	1,847,704
	42	RUTGERS	1,818,505
	43	OHIO STATE	1,816,341
	44	CINCINNATI	1,732,017
	45	GEORGETOWN	1,712,173
	46	CALIFORNIA, SANTA BARBARA	1,694,532
	47	PENNSYLVANIA STATE	1,611,796
	48	GEORGIA	1,600,324
	49	SUNY-BUFFALO	1,513,824
	50	MISSOURI	1,506,870
7	51	OREGON	1,471,179
	52	RICE	1,463,559
	53	CONNECTICUT	1,447,283
	54	NORTH CAROLINA STATE	1,421,266
	55	ILLINOIS, CHICAGO	1,411,360
	56	CALIFORNIA, IRVINE	1,392,055
	57	UTAH	1,388,434
	58	MIT	1,377,510
	59	BRIGHAM YOUNG	1,363,264
	60	FLORIDA	1,355,339
	61	NOTRE DAME	1,333,921
	62	KANSAS	1,319,806
	63	NORTHWESTERN	1,309,804
	64	DARTMOUTH	1,268,318
	65	PURDUE	1,257,234
	66	ARIZONA	1,188,491
	67	ALBERTA	1,184,096
	68	MANITOBA	1,183,257
	69	BOSTON	1,180,360
	70	MICHIGAN STATE	1,175,564
	71	MCGILL	1,168,573
	72	KENTUCKY	1,162,501
	73	YORK	1,149,440
	74	IOWA STATE	1,143,200
	75	HOUSTON	1,141,243
	76	OKLAHOMA	1,137,473
	77	SYRACUSE	1,106,992
	78	SOUTHERN ILLINOIS	1,094,269
	79	WASHINGTON STATE	1,036,585
	80	CASE WESTERN RESERVE	1,020,024
8	81	ROCHESTER	990,414
	82	CALIFORNIA, DAVIS	982,934
	83	IOWA	948,950
	84	TULANE	906,396
	85	LOUISIANA STATE	868,443
	86	COLORADO STATE	850,454
	87	VPI & SU	843,415
	88	TENNESSEE	838,309
	89	ALABAMA	826,369
	90	DELAWARE	822,909
	91	GEORGIA TECH	797,897
	92	LAVAL	767,268
	93	KENT STATE	760,717
	94	WESTERN ONTARIO	708,754
	95	HOWARD	705,993
	96	SUNY-STONY BROOK	696,178
	97	COLORADO	696,025
	98	NEBRASKA	679,818
	99	WATERLOO	668,097
	100	SUNY-ALBANY	656,483
	101	HAWAII	629,544
	102	CALIFORNIA, RIVERSIDE	618,325
	103	QUEEN'S	565,571
	104	FLORIDA STATE	528,298
	105	SASKATCHEWAN	503,656
9	106	GUELPH	425,442
	107	MCMASTER	404,680
	108	MASSACHUSETTS	365,932

RANK ORDER TABLE 9: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:
1- 23,000 and over
2- 20,000-22,999
3- 17,000-19,999
4- 16,000-16,999
5- 15,000-15,999
6- 14,000-14,999
7- 13,000-13,999
8- 12,000-12,999
9- 11,000-11,999
10- 10,000-10,999
11- 9,000- 9,999
12- 8,000- 8,999
13- under 8,000

Gp	Rank	Institution	Value
1	1	HARVARD	54,450,974
	2	TORONTO	32,796,645
	3	STANFORD	32,660,004
	4	YALE	31,554,800
	5	CALIFORNIA, BERKELEY	30,431,329
	6	CALIFORNIA, LOS ANGELES	28,696,062
	7	COLUMBIA	26,666,991
	8	MICHIGAN	25,519,992
	9	WISCONSIN	23,550,266
	10	CORNELL	23,328,779
2	11	RUTGERS	22,820,604
	12	MINNESOTA	22,661,654
	13	TEXAS	21,071,541
	14	INDIANA	20,321,371
	15	WASHINGTON	20,052,583
	16	ILLINOIS, URBANA	20,007,495
3	17	NEW YORK	19,973,008
	18	PRINCETON	19,775,693
	19	BRITISH COLUMBIA	19,218,742
	20	PENNSYLVANIA STATE	19,181,169
	21	JOHNS HOPKINS	19,006,397
	22	PENNSYLVANIA	18,838,776
	23	OHIO STATE	17,309,387
4	24	CHICAGO	16,999,260
	25	NORTH CAROLINA	16,978,319
	26	ARIZONA STATE	16,971,954
	27	DUKE	16,495,740
	28	CALIFORNIA, SAN DIEGO	16,120,214
5	29	ALBERTA	15,870,470
	30	CALIFORNIA, DAVIS	15,784,437
	31	SOUTHERN CALIFORNIA	15,580,373
	32	VIRGINIA	15,466,248
	33	MCGILL	15,155,419
	34	ARIZONA	15,034,632
	35	PITTSBURGH	15,007,675
6	36	MARYLAND	14,771,475
	37	NORTHWESTERN	14,446,576
7	38	EMORY	13,952,728
	39	FLORIDA	13,701,457
	40	WASHINGTON U.-ST. LOUIS	13,332,946
	41	GEORGIA	13,303,436
	42	GEORGETOWN	13,225,488
	43	CONNECTICUT	13,177,171
	44	LAVAL	13,159,206
8	45	COLORADO	12,988,949
	46	NEW MEXICO	12,947,763
	47	WESTERN ONTARIO	12,721,809
	48	KANSAS	12,644,334
	49	CALIFORNIA, IRVINE	12,595,952
	50	CINCINNATI	12,423,517
	51	IOWA	12,417,991
	52	YORK	12,303,965
	53	WAYNE STATE	12,279,301
	54	VANDERBILT	12,249,150
	55	CALIFORNIA, SANTA BARBARA	12,130,188
	56	SUNY-BUFFALO	12,117,602
	57	TEXAS A&M	12,108,218
	58	MICHIGAN STATE	12,068,065
9	59	TEMPLE	11,640,557
	60	ILLINOIS, CHICAGO	11,522,394
	61	BROWN	11,388,735
	62	MIAMI	11,295,551
	63	HAWAII	11,295,535
	64	KENTUCKY	11,067,177
	65	MIT	11,007,344
10	66	AUBURN	10,737,512
	67	BRIGHAM YOUNG	10,690,251
	68	HOWARD	10,491,173
	69	MANITOBA	10,462,341
	70	LOUISIANA STATE	10,462,329
	71	PURDUE	10,372,665
	72	QUEEN'S	10,309,406
	73	MCMASTER	10,144,752
11	74	WATERLOO	9,978,950
	75	IOWA STATE	9,947,900
	76	BOSTON	9,934,739
	77	SOUTH CAROLINA	9,810,997
	78	OREGON	9,779,852
	79	DARTMOUTH	9,596,052
	80	SUNY-STONY BROOK	9,575,032
	81	NORTH CAROLINA STATE	9,546,629
	82	NOTRE DAME	9,501,099
	83	DELAWARE	9,463,798
	84	VPI & SU	9,339,566
	85	MISSOURI	9,330,014
	86	SASKATCHEWAN	9,268,557
	87	ROCHESTER	9,128,965
	88	TENNESSEE	9,054,728
12	89	SYRACUSE	8,851,954
	90	KENT STATE	8,850,719
	91	WASHINGTON STATE	8,787,440
	92	NEBRASKA	8,786,418
	93	SOUTHERN ILLINOIS	8,766,227
	94	FLORIDA STATE	8,546,336
	95	OKLAHOMA	8,536,317
	96	UTAH	8,483,336
	97	CASE WESTERN RESERVE	8,275,100
	98	TULANE	8,008,000
13	99	HOUSTON	7,959,249
	100	OKLAHOMA STATE	7,663,434
	101	RICE	7,609,243
	102	ALABAMA	7,555,795
	103	SUNY-ALBANY	7,459,615
	104	MASSACHUSETTS	7,445,161
	105	COLORADO STATE	7,296,771
	106	CALIFORNIA, RIVERSIDE	7,287,996
	107	GUELPH	7,136,781
	108	GEORGIA TECH	5,389,562

RANK ORDER TABLE 10: MONOGRAPHS PURCHASED (VOLUMES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 100,000 and over
2- 90,000-99,999
3- 80,000-89,999
4- 70,000-79,999
5- 60,000-69,999
6- 50,000-59,999
7- 40,000-49,999
8- 30,000-39,999
9- 20,000-29,999
10- 10,000-19,999
11- under 10,000

Gp	Rank	Institution	Value
1	1	CALIFORNIA, LOS ANGELES	156,090
	2	TORONTO	108,990
	3	YALE	104,183
2	4	ARIZONA STATE	91,721
3	5	ILLINOIS, URBANA	83,228
4	6	CALIFORNIA, DAVIS	79,480
	7	PRINCETON	76,543
	8	CHICAGO	75,860
	9	WISCONSIN	74,932
5	10	ARIZONA	64,136
	11	CALIFORNIA, SAN DIEGO	63,507
	12	BRITISH COLUMBIA	60,478
6	13	AUBURN	55,481
	14	TEXAS	52,202
	15	BRIGHAM YOUNG	51,955
7	16	VIRGINIA	49,229
	17	NEW YORK	49,169
	18	MIAMI	48,092
	19	NORTH CAROLINA	48,045
	20	KANSAS	46,358
	21	RUTGERS	45,690
	22	DUKE	45,327
	23	OHIO STATE	44,141
	24	PENNSYLVANIA	41,860
8	25	JOHNS HOPKINS	39,683
	26	IOWA	38,827
	27	OREGON	37,180
	28	FLORIDA	36,603
	29	DELAWARE	36,505
	30	MCGILL	36,454
	31	GEORGETOWN	35,404
	32	COLORADO	34,846
	33	GEORGIA	33,954
	34	NEW MEXICO	33,841
	35	MICHIGAN STATE	33,470
	36	WASHINGTON	33,099
	37	NOTRE DAME	32,336
	38	DARTMOUTH	31,921
	39	WAYNE STATE	31,715
	40	SOUTHERN CALIFORNIA	31,584
	41	TENNESSEE	30,765
	42	WESTERN ONTARIO	30,153
9	43	CALIFORNIA, IRVINE	29,119
	44	ALBERTA	28,964
	45	MINNESOTA	28,867
	46	MCMASTER	28,690
	47	QUEEN'S	28,569
	48	CALIFORNIA, RIVERSIDE	27,812
	49	CALIFORNIA, SANTA BARBARA	27,716
	50	TULANE	27,158
	51	CINCINNATI	26,777
	52	WASHINGTON U.-ST. LOUIS	26,735
	53	MISSOURI	25,953
	54	WATERLOO	25,797
	55	BROWN	25,129
	56	TEXAS A&M	25,116
	57	LAVAL	24,651
	58	CONNECTICUT	24,549
	59	SOUTH CAROLINA	24,027
	60	MARYLAND	23,914
	61	SUNY-BUFFALO	23,883
	62	SASKATCHEWAN	23,868
	63	HOUSTON	23,833
	64	SUNY-STONY BROOK	23,698
	65	TEMPLE	23,144
	66	ALABAMA	22,944
	67	RICE	22,352
	68	NORTH CAROLINA STATE	22,189
	69	OKLAHOMA	21,436
	70	IOWA STATE	21,216
	71	ROCHESTER	20,752
	72	COLORADO STATE	20,353
	73	CASE WESTERN RESERVE	20,177
	74	KENTUCKY	20,092
10	75	WASHINGTON STATE	19,883
	76	SOUTHERN ILLINOIS	19,800
	77	MIT	19,510
	78	SUNY-ALBANY	19,450
	79	GUELPH	19,362
	80	KENT STATE	19,360
	81	ILLINOIS, CHICAGO	18,922
	82	BOSTON	18,753
	83	SYRACUSE	18,713
	84	NEBRASKA	18,344
	85	VPI & SU	17,260
	86	MANITOBA	16,609
	87	PURDUE	15,328
	88	HOWARD	10,801
	89	OKLAHOMA STATE	10,127
11	90	MASSACHUSETTS	8,859
	91	GEORGIA TECH	6,544
		CALIFORNIA, BERKELEY	U/A
		COLUMBIA	U/A
		CORNELL	U/A
		EMORY	U/A
		FLORIDA STATE	U/A
		HARVARD	U/A
		HAWAII	U/A
		INDIANA	U/A
		LOUISIANA STATE	U/A
		MICHIGAN	U/A
		NORTHWESTERN	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		STANFORD	U/A
		UTAH	U/A
		VANDERBILT	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 11: EXPENDITURES FOR MONOGRAPHS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- 500- 999
9- under 500

Gp	Rank	Institution	Value
1	1	HARVARD	5,259,661
	2	STANFORD +	4,601,613
2	3	CALIFORNIA, BERKELEY +	3,948,393
	4	TORONTO +	3,803,158
	5	MICHIGAN	3,515,378
3	6	CALIFORNIA, LOS ANGELES	3,315,248
	7	PRINCETON	3,193,161
4	8	COLUMBIA +	2,968,090
	9	YALE	2,947,200
	10	ARIZONA STATE	2,619,236
	11	PENNSYLVANIA STATE +	2,601,188
	12	ILLINOIS, URBANA	2,590,132
	13	INDIANA	2,538,531
	14	CORNELL	2,524,615
5	15	WISCONSIN	2,462,840
	16	BRITISH COLUMBIA +	2,327,963
	17	DUKE	2,317,465
	18	CHICAGO	2,286,869
	19	ARIZONA	2,133,224
	20	TEXAS	2,113,980
	21	NEW YORK	2,080,961
	22	PITTSBURGH	2,047,838
	23	DELAWARE +	2,041,595
	24	JOHNS HOPKINS	2,012,045
	25	PENNSYLVANIA	2,007,967
6	26	CALIFORNIA, DAVIS	1,951,128
	27	KANSAS	1,936,985
	28	RUTGERS	1,903,087
	29	NORTH CAROLINA	1,902,625
	30	BRIGHAM YOUNG	1,843,997
	31	WAYNE STATE +	1,833,722
	32	VIRGINIA	1,826,455
	33	GEORGETOWN	1,755,641
	34	EMORY	1,745,352
	35	MINNESOTA	1,743,381
	36	OHIO STATE	1,735,933
	37	IOWA	1,735,612
	38	LOUISIANA STATE	1,725,480
	39	MCGILL +	1,713,621
	40	BROWN	1,665,526
	41	NORTHWESTERN	1,617,664
	42	UTAH +	1,567,454
	43	CALIFORNIA, IRVINE	1,558,211
	44	WATERLOO +	1,547,331
	45	TEXAS A&M	1,539,211
	46	YORK	1,538,991
	47	MICHIGAN STATE +	1,518,632
	48	COLORADO	1,509,202
7	49	TEMPLE	1,499,765
	50	MCMASTER	1,467,293
	51	GEORGIA	1,449,307
	52	CALIFORNIA, SAN DIEGO	1,402,917
	53	QUEEN'S	1,396,874
	54	SOUTHERN CALIFORNIA	1,353,865
	55	WASHINGTON	1,343,706
	56	MARYLAND	1,332,412
	57	OREGON +	1,330,241
	58	DARTMOUTH	1,305,690
	59	CONNECTICUT	1,265,815
	60	SASKATCHEWAN +	1,261,489
	61	MISSOURI	1,256,952
	62	WASHINGTON U.-ST. LOUIS	1,252,284
	63	NOTRE DAME	1,218,002
	64	HAWAII	1,206,707
	65	CALIFORNIA, SANTA BARBARA +	1,177,874
	66	VANDERBILT	1,177,526
	67	LAVAL	1,172,366
	68	TENNESSEE	1,150,914
	69	RICE	1,147,649
	70	TULANE	1,142,452
	71	SOUTH CAROLINA	1,120,402
	72	SUNY-BUFFALO	1,108,260
	73	FLORIDA STATE	1,094,972
	74	ALBERTA +	1,077,776
	75	WESTERN ONTARIO +	1,056,979
	76	MIAMI	1,056,665
	77	AUBURN	1,049,187
	78	OKLAHOMA	1,049,011
	79	IOWA STATE	1,033,394
	80	NORTH CAROLINA STATE	1,005,633
	81	ALABAMA	1,003,931
8	82	CALIFORNIA, RIVERSIDE	969,817
	83	KENTUCKY	957,715
	84	CINCINNATI	939,239
	85	COLORADO STATE	925,544
	86	HOUSTON	921,888
	87	NEBRASKA	898,802
	88	FLORIDA	886,132
	89	VPI & SU +	882,869
	90	MANITOBA +	881,821
	91	MIT +	868,778
	92	SUNY-ALBANY	858,465
	93	SUNY-STONY BROOK	845,719
	94	GUELPH	841,889
	95	ROCHESTER	819,859
	96	NEW MEXICO	790,446
	97	ILLINOIS, CHICAGO	777,365
	98	PURDUE +	773,643
	99	KENT STATE	752,325
	100	SYRACUSE	726,380
	101	SOUTHERN ILLINOIS	664,406
	102	HOWARD +	659,145
	103	CASE WESTERN RESERVE	653,236
	104	WASHINGTON STATE	645,260
	105	BOSTON	602,125
	106	GEORGIA TECH	509,813
9	107	OKLAHOMA STATE	445,460
	108	MASSACHUSETTS	256,645

+ - Also includes expenditures for Other Library Materials

RANK ORDER TABLE 12: SERIALS PURCHASED (TITLES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 30,000 and over
2- 25,000-29,999
3- 20,000-24,999
4- 15,000-19,999
5- 10,000-14,999
6- under 10,000

Gp	Rank	Institution	Value
1	1	COLUMBIA	39,817
	2	CALIFORNIA, DAVIS	36,871
	3	MICHIGAN	36,167
	4	MINNESOTA	33,305
	5	TORONTO	32,764
2	6	INDIANA	29,952
	7	TEXAS	29,762
	8	NEW YORK	28,043
	9	PRINCETON	26,074
3	10	OHIO STATE	23,973
	11	FLORIDA	23,933
	12	HOWARD	23,915
	13	HAWAII	23,339
	14	VIRGINIA	22,979
	15	GEORGETOWN	22,319
	16	ARIZONA STATE	21,822
	17	DELAWARE	20,699
4	18	IOWA	19,608
	19	SOUTH CAROLINA	19,550
	20	KANSAS	19,243
	21	CALIFORNIA, SAN DIEGO	18,485
	22	COLORADO STATE	17,947
	23	BRITISH COLUMBIA	17,504
	24	SUNY-BUFFALO	17,335
	25	DARTMOUTH	17,297
	26	BOSTON	17,177
	27	SUNY-ALBANY	17,080
	28	CALIFORNIA, IRVINE	16,983
	29	NEBRASKA	16,904
	30	MARYLAND	16,782
	31	SOUTHERN ILLINOIS	16,580
	32	OKLAHOMA	16,418
	33	ALBERTA	16,413
	34	WAYNE STATE	16,350
	35	EMORY	16,218
	36	JOHNS HOPKINS	15,946
	37	COLORADO	15,846
	38	VPI & SU	15,500
	39	TULANE	15,390
	40	IOWA STATE	15,263
	41	MIAMI	15,207
	42	WATERLOO	15,171
	43	TENNESSEE	15,044
5	44	WESTERN ONTARIO	14,841
	45	VANDERBILT	14,758
	46	NEW MEXICO	14,627
	47	QUEEN'S	14,604
	48	KENTUCKY	14,543
	49	CALIFORNIA, SANTA BARBARA	14,400
	50	MCGILL	14,348
	51	PURDUE	14,075
	52	TEXAS A&M	13,982
	53	OREGON	13,898
	54	MICHIGAN STATE	13,779
	55	TEMPLE	13,674
	56	SOUTHERN CALIFORNIA	13,580
	57	HOUSTON	13,467
	58	MISSOURI	13,376
	59	CASE WESTERN RESERVE	11,907
	60	LAVAL	11,795
	61	MCMASTER	11,684
	62	BRIGHAM YOUNG	11,367
	63	ALABAMA	11,121
	64	SUNY-STONY BROOK	11,097
	65	RICE	10,853
	66	MASSACHUSETTS	10,823
	67	MANITOBA	10,532
	68	AUBURN	10,422
	69	UTAH	10,201
6	70	SASKATCHEWAN	9,395
	71	NORTH CAROLINA STATE	8,877
	72	MIT	8,824
	73	OKLAHOMA STATE	8,487
	74	GUELPH	7,971
	75	CALIFORNIA, RIVERSIDE	7,437
	76	GEORGIA TECH	5,486
		ARIZONA	U/A
		BROWN	U/A
		CALIFORNIA, BERKELEY	U/A
		CALIFORNIA, LOS ANGELES	U/A
		CHICAGO	U/A
		CINCINNATI	U/A
		CONNECTICUT	U/A
		CORNELL	U/A
		DUKE	U/A
		FLORIDA STATE	U/A
		GEORGIA	U/A
		HARVARD	U/A
		ILLINOIS, CHICAGO	U/A
		ILLINOIS, URBANA	U/A
		KENT STATE	U/A
		LOUISIANA STATE	U/A
		NORTH CAROLINA	U/A
		NORTHWESTERN	U/A
		NOTRE DAME	U/A
		PENNSYLVANIA	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		ROCHESTER	U/A
		RUTGERS	U/A
		STANFORD	U/A
		SYRACUSE	U/A
		WASHINGTON	U/A
		WASHINGTON STATE	U/A
		WASHINGTON U.-ST. LOUIS	U/A
		WISCONSIN	U/A
		YALE	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 13: EXPENDITURES FOR SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 4,200 and over
2- 3,900-4,199
3- 3,600-3,899
4- 3,300-3,599
5- 3,000-3,299
6- 2,700-2,999
7- 2,400-2,799
8- 2,100-2,399
9- 1,800-2,099
10- under 1,800

Gp	Rank	Institution	Value
1	1	HARVARD	5,593,647
	2	MICHIGAN	5,165,206
	3	STANFORD	4,972,659
	4	CALIFORNIA, BERKELEY	4,919,247
	5	WASHINGTON	4,781,218
	6	TORONTO	4,677,973
	7	COLUMBIA	4,667,762
	8	MINNESOTA	4,438,120
	9	PENNSYLVANIA STATE	4,243,638
2	10	RUTGERS	4,177,981
	11	OHIO STATE	4,163,453
	12	CALIFORNIA, LOS ANGELES	4,129,696
	13	CORNELL	4,119,109
	14	WISCONSIN	4,035,678
	15	YALE	3,924,700
3	16	ILLINOIS, URBANA	3,807,387
	17	DUKE	3,652,690
	18	TEXAS	3,623,425
4	19	NEW YORK	3,541,943
	20	ARIZONA	3,538,120
	21	VPI & SU	3,474,144
	22	HOWARD	3,450,590
	23	SOUTHERN CALIFORNIA	3,377,124
	24	WASHINGTON U.-ST. LOUIS	3,369,415
	25	CHICAGO	3,354,129
	26	COLORADO	3,354,005
	27	PITTSBURGH	3,351,831
	28	NORTH CAROLINA	3,348,682
5	29	CALIFORNIA, DAVIS	3,294,338
	30	BRITISH COLUMBIA	3,214,157
	31	JOHNS HOPKINS	3,192,476
	32	INDIANA	3,185,638
	33	VIRGINIA	3,179,943
	34	PURDUE	3,177,453
	35	PENNSYLVANIA	3,152,553
	36	GEORGIA	3,138,463
	37	WESTERN ONTARIO	3,120,076
	38	ARIZONA STATE	3,111,905
	39	MIAMI	3,061,457
	40	CALIFORNIA, SAN DIEGO	3,004,137
	41	NORTHWESTERN	3,003,679
6	42	TEXAS A&M	2,967,558
	43	FLORIDA	2,937,466
	44	ALBERTA	2,928,346
	45	PRINCETON	2,880,708
	46	SASKATCHEWAN	2,838,905
	47	ILLINOIS, CHICAGO	2,816,123
	48	KENTUCKY	2,773,212
	49	CINCINNATI	2,740,423
7	50	ROCHESTER	2,690,187
	51	IOWA STATE	2,683,809
	52	CONNECTICUT	2,657,337
	53	FLORIDA STATE	2,640,098
	54	LOUISIANA STATE	2,630,827
	55	EMORY	2,610,837
	56	CALIFORNIA, SANTA BARBARA	2,586,886
	57	KANSAS	2,582,236
	58	NEBRASKA	2,580,609
	59	SUNY-BUFFALO	2,555,638
	60	IOWA	2,548,192
	61	CALIFORNIA, IRVINE	2,540,717
	62	MCMASTER	2,539,461
	63	MCGILL	2,526,320
	64	HAWAII	2,524,558
	65	MICHIGAN STATE	2,520,018
	66	QUEEN'S	2,498,864
	67	VANDERBILT	2,493,724
	68	SUNY-STONY BROOK	2,464,615
	69	BOSTON	2,457,487
	70	CASE WESTERN RESERVE	2,416,603
8	71	TENNESSEE	2,388,081
	72	SOUTH CAROLINA	2,376,149
	73	OKLAHOMA	2,369,510
	74	MARYLAND	2,367,249
	75	MISSOURI	2,366,423
	76	SOUTHERN ILLINOIS	2,330,536
	77	WAYNE STATE	2,328,930
	78	WASHINGTON STATE	2,326,353
	79	NOTRE DAME	2,299,855
	80	AUBURN	2,292,820
	81	ALABAMA	2,286,040
	82	LAVAL	2,280,950
	83	OREGON	2,261,534
	84	DARTMOUTH	2,216,870
	85	GEORGETOWN	2,199,873
	86	TEMPLE	2,198,271
	87	SYRACUSE	2,154,559
	88	YORK	2,148,871
	89	DELAWARE	2,114,915
	90	TULANE	2,112,435
	91	MIT	2,110,146
9	92	WATERLOO	2,058,007
	93	HOUSTON	2,016,097
	94	MANITOBA	1,977,424
	95	BRIGHAM YOUNG	1,974,443
	96	BROWN	1,920,898
	97	NORTH CAROLINA STATE	1,908,619
	98	SUNY-ALBANY	1,894,238
	99	MASSACHUSETTS	1,891,176
	100	OKLAHOMA STATE	1,867,260
	101	RICE	1,866,250
	102	NEW MEXICO	1,851,076
10	103	COLORADO STATE	1,657,059
	104	UTAH	1,578,945
	105	GEORGIA TECH	1,537,759
	106	KENT STATE	1,533,163
	107	GUELPH	1,450,290
	108	CALIFORNIA, RIVERSIDE	1,435,430

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RANK ORDER TABLE 14: TOTAL ITEMS LOANED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 55,000 and over
2- 50,000-54,999
3- 45,000-49,999
4- 40,000-44,999
5- 35,000-39,999
6- 30,000-34,999
7- 25,000-29,999
8- 20,000-24,999
9- 15,000-19,999
10- 10,000-14,999
11- under 9,999

Gp	Rank	Institution	Value
1	1	MINNESOTA	211,112
	2	ILLINOIS, CHICAGO	99,445
	3	WASHINGTON	96,660
	4	WISCONSIN	94,347
	5	ILLINOIS, URBANA	71,544
	6	CALIFORNIA, LOS ANGELES	69,929
	7	ALBERTA	66,269
	8	INDIANA	61,630
2	9	CALIFORNIA, BERKELEY	50,977
	10	CHICAGO	50,976
3	11	IOWA	48,736
	12	TEXAS A&M	46,225
	13	SOUTHERN ILLINOIS	45,544
4	14	CASE WESTERN RESERVE	43,108
	15	ARIZONA	42,493
	16	FLORIDA	40,826
5	17	HARVARD	39,300
	18	WAYNE STATE	38,679
	19	CONNECTICUT	38,053
	20	GEORGIA	37,363
	21	VIRGINIA	37,159
	22	NORTH CAROLINA	35,467
	23	SUNY-BUFFALO	35,362
	24	KANSAS	35,199
6	25	FLORIDA STATE	34,795
	26	PENNSYLVANIA STATE	33,391
	27	MICHIGAN	33,348
	28	MISSOURI	32,618
	29	COLUMBIA	32,411
	30	COLORADO	32,354
	31	MIAMI	32,036
	32	DUKE	31,344
	33	CALIFORNIA, DAVIS	31,081
	34	BRITISH COLUMBIA	30,993
	35	TEXAS	30,840
	36	SUNY-STONY BROOK	30,712
	37	SUNY-ALBANY	30,659
	38	WASHINGTON STATE	30,445
	39	CINCINNATI	30,385
	40	ARIZONA STATE	30,206
	41	OKLAHOMA	30,166
7	42	NORTHWESTERN	29,367
	43	OHIO STATE	29,245
	44	NORTH CAROLINA STATE	28,647
	45	COLORADO STATE	28,584
	46	KENTUCKY	27,889
	47	RUTGERS	27,099
	48	PITTSBURGH	27,073
	49	WASHINGTON U.-ST. LOUIS	25,942
	50	MCGILL	25,026
8	51	ROCHESTER	24,321
	52	CALIFORNIA, SAN DIEGO	24,148
	53	JOHNS HOPKINS	23,280
	54	EMORY	22,580
	55	IOWA STATE	22,514
	56	CALIFORNIA, IRVINE	22,430
	57	PENNSYLVANIA	20,562
	58	OKLAHOMA STATE	20,347
	59	CORNELL	20,283
	60	MICHIGAN STATE	20,124
9	61	TORONTO	19,495
	62	TENNESSEE	19,433
	63	MIT	18,928
	64	AUBURN	18,913
	65	VPI & SU	18,443
	66	LAVAL	18,228
	67	NEW MEXICO	17,901
	68	KENT STATE	17,832
	69	STANFORD	17,728
	70	SOUTH CAROLINA	17,444
	71	OREGON	17,211
	72	BRIGHAM YOUNG	17,023
	73	MANITOBA	17,016
	74	VANDERBILT	16,669
	75	PURDUE	16,400
	76	NOTRE DAME	16,307
	77	DARTMOUTH	15,901
	78	NEW YORK	15,778
10	79	MCMASTER	14,935
	80	MASSACHUSETTS	14,901
	81	BOSTON	14,439
	82	UTAH	14,246
	83	MARYLAND	14,178
	84	YALE	14,117
	85	TULANE	13,940
	86	GEORGETOWN	13,853
	87	HOUSTON	13,523
	88	DELAWARE	12,879
	89	NEBRASKA	12,819
	90	GEORGIA TECH	12,353
	91	YORK	11,823
	92	LOUISIANA STATE	11,723
	93	BROWN	11,534
	94	TEMPLE	11,524
	95	CALIFORNIA, SANTA BARBARA	11,157
	96	WESTERN ONTARIO	10,262
	97	CALIFORNIA, RIVERSIDE	10,181
11	98	ALABAMA	9,901
	99	SASKATCHEWAN	9,858
	100	PRINCETON	9,614
	101	SYRACUSE	9,364
	102	HAWAII	9,332
	103	QUEEN'S	8,648
	104	SOUTHERN CALIFORNIA	7,983
	105	WATERLOO	6,686
	106	RICE	5,680
	107	HOWARD	3,559
	108	GUELPH	2,219

RANK ORDER TABLE 15: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 22,000 and over
2- 20,000-21,999
3- 18,000-19,999
4- 16,000-17,999
5- 14,000-15,999
6- 12,000-13,999
7- 10,000-11,999
8- 8,000- 9,999
9- 6,000- 7,999
10- 4,000- 5,999
11- under 4,000

Gp	Rank	Institution	Value
1	1	ILLINOIS, CHICAGO	75,907
	2	ILLINOIS, URBANA	58,616
	3	OHIO STATE	27,692
	4	INDIANA	24,331
	5	PENNSYLVANIA	22,852
2	6	OKLAHOMA	20,482
3	7	CALIFORNIA, SAN DIEGO	19,297
	8	COLORADO STATE	19,254
	9	TEXAS A&M	19,226
	10	JOHNS HOPKINS	19,033
	11	CINCINNATI	18,710
4	12	ALBERTA	17,812
	13	WISCONSIN	17,746
	14	RUTGERS	17,720
	15	WASHINGTON U.-ST. LOUIS	17,630
	16	MICHIGAN	17,328
	17	CALIFORNIA, BERKELEY	17,255
	18	PRINCETON	17,183
	19	NORTHWESTERN	17,163
	20	BRIGHAM YOUNG	17,023
	21	KENTUCKY	16,821
	22	CALIFORNIA, SANTA BARBARA	16,647
	23	KENT STATE	16,642
	24	NEW YORK	16,540
	25	KANSAS	16,427
	26	PENNSYLVANIA STATE	16,278
	27	PITTSBURGH	16,194
5	28	MIAMI	15,917
	29	NEW MEXICO	15,829
	30	CORNELL	15,682
	31	HOUSTON	15,680
	32	VIRGINIA	14,790
	33	CALIFORNIA, IRVINE	14,693
	34	MINNESOTA	14,206
	35	NEBRASKA	14,126
6	36	TENNESSEE	13,765
	37	TEXAS	13,354
	38	CONNECTICUT	13,295
	39	BOSTON	13,083
	40	SOUTH CAROLINA	12,956
	41	MISSOURI	12,938
	42	LAVAL	12,855
	43	FLORIDA	12,759
	44	BRITISH COLUMBIA	12,497
	45	CALIFORNIA, LOS ANGELES	12,073
	46	COLORADO	12,068
7	47	FLORIDA STATE	11,984
	48	IOWA	11,949
	49	EMORY	11,937
	50	COLUMBIA	11,870
	51	SASKATCHEWAN	11,839
	52	SUNY-BUFFALO	11,795
	53	CALIFORNIA, RIVERSIDE	11,446
	54	CHICAGO	11,362
	55	YALE	11,350
	56	TULANE	11,285
	57	VPI & SU	11,188
	58	CASE WESTERN RESERVE	11,080
	59	MICHIGAN STATE	10,563
	60	ROCHESTER	10,520
	61	CALIFORNIA, DAVIS	10,476
	62	ARIZONA	10,465
	63	HARVARD	10,422
	64	DUKE	10,229
	65	DARTMOUTH	10,201
	66	PURDUE	10,073
	67	SOUTHERN ILLINOIS	10,035
8	68	NOTRE DAME	9,992
	69	MCGILL	9,846
	70	SUNY-ALBANY	9,843
	71	VANDERBILT	9,638
	72	ARIZONA STATE	9,497
	73	OKLAHOMA STATE	9,436
	74	MCMASTER	9,226
	75	OREGON	8,781
	76	LOUISIANA STATE	8,586
	77	MANITOBA	8,445
	78	UTAH	8,439
	79	TORONTO	8,319
	80	ALABAMA	8,005
9	81	TEMPLE	7,883
	82	NORTH CAROLINA	7,772
	83	STANFORD	7,746
	84	GEORGIA	7,559
	85	SYRACUSE	7,495
	86	SUNY-STONY BROOK	7,445
	87	MASSACHUSETTS	7,431
	88	QUEEN'S	7,361
	89	WAYNE STATE	6,966
	90	WASHINGTON	6,752
	91	GEORGETOWN	6,702
	92	NORTH CAROLINA STATE	6,683
	93	IOWA STATE	6,456
	94	MARYLAND	6,298
	95	BROWN	6,278
10	96	SOUTHERN CALIFORNIA	5,299
	97	DELAWARE	5,242
	98	WATERLOO	4,719
	99	WESTERN ONTARIO	4,639
	100	GUELPH	4,098
	101	MIT	4,061
11	102	WASHINGTON STATE	3,934
	103	RICE	3,896
	104	YORK	3,737
	105	AUBURN	3,509
	106	HAWAII	3,379
	107	GEORGIA TECH	2,891
	108	HOWARD	622

RANK ORDER TABLE 16: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 225 and over
2- 200-224
3- 175-199
4- 150-174
5- 125-149
6- 100-124
7- 75- 99
8- 50- 74
9- 25- 49

Gp	Rank	Institution	Value
1	1	HARVARD	363
3	2	YALE	193
	3	CORNELL	183
	4	CALIFORNIA, BERKELEY	175
4	5	COLUMBIA	173
	6	TORONTO	169
	7	STANFORD	165
	8	ILLINOIS, URBANA	152
5	9	WISCONSIN	147
	10	TEXAS	145
	11	CALIFORNIA, LOS ANGELES	144
	12	NEW YORK	141
	13	INDIANA	133
	14	MICHIGAN	131
	15	WASHINGTON	126
	16	MINNESOTA	125
6	17	NORTH CAROLINA	121
	18	OHIO STATE	118
	19	ARIZONA STATE	116
	20	PRINCETON	114
	20	RUTGERS	114
	22	PENNSYLVANIA	111
	23	JOHNS HOPKINS	110
	24	NORTHWESTERN	109
	25	PENNSYLVANIA STATE	105
	26	BRITISH COLUMBIA	100
	26	CALIFORNIA, SAN DIEGO	100
7	28	DUKE	99
	28	KANSAS	99
	30	ARIZONA	97
	30	FLORIDA	97
	32	PITTSBURGH	95
	33	BRIGHAM YOUNG	94
	33	SUNY-BUFFALO	94
	35	IOWA	92
	36	MARYLAND	87
	36	VIRGINIA	87
	38	MIT	86
	39	VANDERBILT	85
	40	GEORGETOWN	82
	41	SOUTHERN CALIFORNIA	81
	42	BROWN	80
	42	GEORGIA	80
	42	NEW MEXICO	80
	45	MCGILL	79
	46	CHICAGO	78
	47	ALBERTA	77
	47	MIAMI	77
	47	WASHINGTON U.-ST. LOUIS	77
	47	WAYNE STATE	77
	51	HOWARD	76
	52	CALIFORNIA, DAVIS	76
8	53	ILLINOIS, CHICAGO	74
	54	LAVAL	71
	54	TEMPLE	71
	54	TEXAS A&M	71
	57	KENTUCKY	69
	57	ROCHESTER	69
	59	EMORY	68
	59	MICHIGAN STATE	68
	59	SYRACUSE	68
	62	CONNECTICUT	66
	62	HAWAII	66
	64	CINCINNATI	65
	65	SOUTH CAROLINA	64
	66	CASE WESTERN RESERVE	62
	66	LOUISIANA STATE	62
	66	PURDUE	62
	66	TENNESSEE	62
	70	BOSTON	60
	71	CALIFORNIA, SANTA BARBARA	59
	72	ALABAMA	58
	73	CALIFORNIA, IRVINE	57
	73	MISSOURI	57
	75	COLORADO	56
	75	KENT STATE	56
	77	FLORIDA STATE	55
	77	MANITOBA	55
	77	YORK	55
	80	NEBRASKA	54
	81	TULANE	52
	82	AUBURN	51
	82	DELAWARE	51
	82	MASSACHUSETTS	51
	82	NORTH CAROLINA STATE	51
	82	OREGON	51
	87	DARTMOUTH	50
	87	OKLAHOMA STATE	50
	87	VPI & SU	50
9	90	OKLAHOMA	49
	90	SUNY-STONY BROOK	49
	92	IOWA STATE	48
	92	UTAH	48
	94	SUNY-ALBANY	47
	94	WESTERN ONTARIO	47
	96	QUEEN'S	46
	97	GEORGIA TECH	45
	97	SOUTHERN ILLINOIS	45
	97	WATERLOO	45
	100	HOUSTON	44
	100	WASHINGTON STATE	44
	102	NOTRE DAME	43
	103	COLORADO STATE	40
	104	SASKATCHEWAN	39
	105	CALIFORNIA, RIVERSIDE	38
	105	MCMASTER	38
	105	RICE	38
	108	GUELPH	27

RANK ORDER TABLE 17: NONPROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 400 and over
2- 360-399
3- 320-359
4- 280-319
5- 240-279
6- 200-239
7- 160-199
8- 120-159
9- 80-119
10- under 80

Gp	Rank	Institution	Value
1	1	HARVARD	600
	2	TORONTO	428
2	3	TEXAS	383
3	4	YALE	342
	5	COLUMBIA	327
4	6	STANFORD	300
	7	CALIFORNIA, LOS ANGELES	298
	8	CALIFORNIA, BERKELEY	297
	9	MICHIGAN	289
	10	CORNELL	287
5	11	PENNSYLVANIA STATE	268
	12	ALBERTA	262
	13	BRITISH COLUMBIA	261
	13	RUTGERS	261
	15	WASHINGTON	243
6	16	ILLINOIS, URBANA	235
	17	PRINCETON	228
	18	CHICAGO	221
	19	ARIZONA STATE	211
	20	NORTH CAROLINA	206
	20	WISCONSIN	206
	22	CALIFORNIA, DAVIS	204
	23	OHIO STATE	202
	24	MCGILL	200
7	25	JOHNS HOPKINS	198
	26	CALIFORNIA, SAN DIEGO	197
	27	INDIANA	192
	28	LAVAL	189
	29	MINNESOTA	185
	29	WESTERN ONTARIO	185
	31	VIRGINIA	183
	32	ARIZONA	182
	33	NEW YORK	178
	34	GEORGIA	177
	35	PENNSYLVANIA	176
	36	DUKE	169
	36	PITTSBURGH	169
	38	ILLINOIS, CHICAGO	166
	39	NEW MEXICO	161
8	40	FLORIDA	159
	41	TEXAS A&M	155
	42	VANDERBILT	152
	43	EMORY	150
	44	YORK	148
	45	TENNESSEE	147
	46	CALIFORNIA, SANTA BARBARA	145
	46	MANITOBA	145
	46	PURDUE	145
	49	MCMASTER	142
	50	KANSAS	141
	51	GEORGETOWN	139
	52	NORTHWESTERN	139
	52	QUEEN'S	139
	54	CINCINNATI	138
	54	SOUTHERN CALIFORNIA	138
	56	MIAMI	132
	56	MISSOURI	132
	56	WASHINGTON U.-ST. LOUIS	132
	59	BOSTON	131
	60	MARYLAND	130
	61	MIT	129
	61	NOTRE DAME	129
	63	SASKATCHEWAN	128
	64	KENTUCKY	127
	64	SYRACUSE	127
	66	FLORIDA STATE	125
	66	GUELPH	125
	68	HOWARD	124
	69	WATERLOO	122
9	70	NORTH CAROLINA STATE	118
	71	NEBRASKA	116
	72	CALIFORNIA, IRVINE	115
	72	COLORADO	115
	72	UTAH	115
	75	MICHIGAN STATE	114
	76	BROWN	113
	77	WASHINGTON STATE	112
	78	IOWA	111
	78	LOUISIANA STATE	111
	78	SUNY-STONY BROOK	111
	81	DELAWARE	109
	81	KENT STATE	109
	81	SUNY-BUFFALO	109
	84	IOWA STATE	108
	84	TEMPLE	108
	86	SOUTH CAROLINA	104
	87	HAWAII	103
	88	DARTMOUTH	102
	89	VPI & SU	101
	90	ROCHESTER	100
	90	TULANE	100
	92	WAYNE STATE	99
	93	AUBURN	97
	94	HOUSTON	95
	95	CONNECTICUT	92
	95	OREGON	92
	97	MASSACHUSETTS	91
	98	SOUTHERN ILLINOIS	89
	99	CASE WESTERN RESERVE	88
	100	CALIFORNIA, RIVERSIDE	86
	101	SUNY-ALBANY	85
10	102	OKLAHOMA	79
	103	COLORADO STATE	75
	104	ALABAMA	74
	104	RICE	74
	106	OKLAHOMA STATE	71
	107	GEORGIA TECH	49
	108	BRIGHAM YOUNG	45

RANK ORDER TABLE 18: TOTAL STAFF

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 700 and over
2- 650-699
3- 600-649
4- 550-599
5- 500-549
6- 450-499
7- 400-449
8- 350-399
9- 300-349
10- 250-299
11- 200-249
12- under 200

Gp	Rank	Institution	Value
1	1	HARVARD	1,135
	2	CALIFORNIA, BERKELEY	808
2	3	TORONTO	675
3	4	CALIFORNIA, LOS ANGELES	642
	5	COLUMBIA	636
	6	CORNELL	610
	7	YALE	606
	8	TEXAS	600
4	9	MICHIGAN	576
	10	STANFORD	572
5	11	WISCONSIN	517
	12	ILLINOIS, URBANA	511
6	13	WASHINGTON	498
	14	RUTGERS	488
	15	INDIANA	476
	16	MINNESOTA	468
	17	PENNSYLVANIA STATE	466
7	18	OHIO STATE	449
	19	FLORIDA	432
	20	NORTH CAROLINA	413
	21	BRITISH COLUMBIA	407
	22	NEW YORK	400
8	23	PRINCETON	395
	24	ARIZONA STATE	393
	25	PENNSYLVANIA	383
	26	CALIFORNIA, SAN DIEGO	379
	26	CHICAGO	379
	28	ALBERTA	373
	28	ARIZONA	373
	30	NORTHWESTERN	354
	31	JOHNS HOPKINS	351
9	32	PITTSBURGH	345
	33	CALIFORNIA, DAVIS	344
	34	VIRGINIA	341
	35	NEW MEXICO	337
	36	GEORGIA	332
	36	KANSAS	332
	38	DUKE	324
	39	MCGILL	322
	39	MARYLAND	322
	41	KENTUCKY	313
	42	MICHIGAN STATE	312
	42	TEXAS A&M	312
	44	SOUTHERN CALIFORNIA	302
10	45	VANDERBILT	296
	46	GEORGETOWN	294
	47	CINCINNATI	290
	48	LAVAL	279
	49	ILLINOIS, CHICAGO	278
	50	IOWA	274
	51	BRIGHAM YOUNG	272
	52	BROWN	270
	53	EMORY	269
	53	SUNY-BUFFALO	269
	55	TENNESSEE	266
	56	WASHINGTON U.-ST. LOUIS	265
	57	PURDUE	263
	58	WESTERN ONTARIO	262
	59	MIAMI	260
	60	VPI & SU	255
	61	MISSOURI	252
	62	WAYNE STATE	251
	63	BOSTON	250
	63	YORK	250
11	65	CALIFORNIA, SANTA BARBARA	247
	66	LOUISIANA STATE	244
	66	MIT	244
	68	HAWAII	241
	69	SYRACUSE	240
	70	KENT STATE	239
	71	COLORADO	234
	72	MANITOBA	232
	72	TEMPLE	232
	74	CALIFORNIA, IRVINE	231
	75	FLORIDA STATE	228
	76	NORTH CAROLINA STATE	226
	77	CONNECTICUT	225
	77	UTAH	225
	79	ROCHESTER	222
	80	NEBRASKA	217
	80	OREGON	217
	80	SOUTHERN ILLINOIS	217
	83	HOWARD	216
	84	SOUTH CAROLINA	214
	85	IOWA STATE	213
	86	DELAWARE	212
	87	QUEEN'S	208
	87	SUNY-STONY BROOK	208
	89	WASHINGTON STATE	202
12	90	HOUSTON	199
	90	NOTRE DAME	199
	92	MCMASTER	196
	93	AUBURN	192
	94	OKLAHOMA	190
	95	TULANE	188
	96	ALABAMA	187
	96	OKLAHOMA STATE	187
	98	SASKATCHEWAN	182
	99	SUNY-ALBANY	181
	100	DARTMOUTH	180
	100	WATERLOO	180
	102	CASE WESTERN RESERVE	176
	102	MASSACHUSETTS	176
	104	CALIFORNIA, RIVERSIDE	167
	105	GUELPH	161
	106	COLORADO STATE	153
	107	RICE	129
	108	GEORGIA TECH	113

ARL STATISTICS, 1991-92

Instructions for Completing the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in *American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983.* (New York, American National Standards Institute, 1983.)

2. The questionnaire assumes a fiscal year ending June 30, 1992. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.

3. **Please do not use decimals.** All figures should be rounded to the nearest whole number.

4. **Please do not leave any lines blank.** If an exact figure is unavailable, use **U/A**. If a question is not applicable to your library, use **N/A**. If the appropriate answer is zero or none, use **0**.

5. In a university that includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch campus** as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please explain in a footnote on p. 4 of the questionnaire.

6. A **branch library** is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

7. **Questions 1-6. Collections.** Use the ANSI Z39.7-1983 definition for **volume** as follows:

> *a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, that has been cataloged, classified, and made ready for use.*

Include duplicates and bound volumes of periodicals. For purposes of this questionnaire, unclassified bound serials arranged in alphabetical order are considered classified. Exclude microforms, maps, nonprint materials, and uncataloged items. If any of these items cannot be excluded, please provide an explanatory footnote on p. 4 of the questionnaire.

Include government document volumes that are accessible through the library's catalogs regardless of whether they are separately shelved. "Classified" includes documents arranged by Superintendent of Documents, CODOC, or similar numbers. "Cataloged" includes documents for which records are provided by the library or downloaded from other sources into the library's card or online catalogs. Documents should, to the extent possible, be counted as they would if they were in bound volumes (e.g., 12 issues of an annual serial would be one or two volumes). Title and piece counts should not be considered the same as volume counts. If a volume count has not been kept, it may be estimated through sampling a representative group of title records and determining the corresponding number of volumes,

then extrapolating to the rest of the collection. As an alternative, an estimate may be made using the following formulae:

52 documents pieces per foot
10 "traditional" volumes per foot
5.2 documents pieces per volume

If either formulas or sampling are used for deriving your count, please indicate in a footnote.

8. **Question 2.** Include only volumes cataloged, classified, and made ready for use. Include government documents if they have been included in the count of volumes on line 1.

9. **Question 6.** Report number of volumes purchased. Include all volumes for which an expenditure was made during 1991-92, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote on p. 4 of the questionnaire. **Note:** This question is concerned with volumes purchased rather than volumes received or cataloged. Question 16 requests the expenditure for the volumes counted here.

10. **Questions 7-9. Serials.** Report the total number of subscriptions, not titles. Include duplicate subscriptions and, to the extent possible, all government document serials even if housed in a separate documents collection. Verify the inclusion or exclusion of document serials in the notes section on p. 3. Exclude monographic and publishers' series. A **serial** is

> *a publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.*

11. **Question 8.** If separate counts of nonpurchased and purchased serials are not available, report only the total number of current serials received on line 9, and report **U/A** for lines 7 and 8.

12. **Question 10. Microforms.** Report the total number of physical units: reels of microfilm, microcards, and microprint and microfiche sheets. Include all government documents in microform; footnote on p.4 if documents are excluded.

13. **Question 11. Government documents.** Report the total number of physical units (pieces) of government documents in paper format that have not already been counted in any of the above categories. Include local, state, national and international documents; include documents purchased from a commercial source if shelved with separate documents collections and not counted above. Include serials and monographs. To estimate pieces from a measurement of linear feet, use the formula *1 foot = 52 pieces* and indicate in a footnote that the count is based on this estimate. Exclude microforms and nonprint formats such as maps or CD-ROMs.

14. **Questions 12-15. Personnel.** Report the number of staff in filled positions, or positions that are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote on p. 4 of the questionnaire. To compute full-time equivalents of part-time employees and student assistants, take the total number of hours worked by part-time employees in each category and divide it by the number of hours considered by the reporting library to be a full-time work week. **Round figures to the nearest whole numbers.**

15. **Question 12.** Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers

professional, including, when appropriate, staff who are not librarians in the strict sense of the term, for example computer experts, systems analysts, or budget officers.

16. **Question 14.** Report the total FTE (see instruction 14) of student assistants employed on an hourly basis whose wages are paid from funds under library control or from a budget other than the library's, including federal work-study programs. Exclude maintenance and custodial staff.

17. **Questions 16-27. Expenditures.** Report all expenditures of funds that come to the library from the regular institutional budget, and from sources such as research grants, special projects, gifts and endowments, and fees for service. (For question 24 include non-library funds; see instruction #24.) Do not report encumbrances of funds that have not yet been expended. Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.1623, the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 1991-June 1992. **Please round figures to the nearest dollar.**

18. **Question 16.** Report expenditures for volumes counted on line 6.

19. **Question 17.** Exclude monographic and publishers' series, and encumbrances.

20. **Question 18.** Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc. If expenditures for these materials are included in lines 16 and/or 17 and cannot be disaggregated, please report U/A and provide a footnote on page 4. Do not include encumbrances.

21. **Question 19.** Include any other **materials funds expenditures** not included in questions 16-18, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote on p. 4 of the questionnaire. **Note:** If your library does not use materials funds for non-materials expenditures -- i.e., such expenditures are included in "Other Operating Expenditures" -- **report 0, not U/A**, on line 19.

22. **Question 21.** Include only contract expenditures for binding done outside the library. If all binding is done in-house, state this fact and give in-house expenditures in a footnote on p. 4 of the questionnaire; do not include personnel expenditures.

23. **Questions 22-25.** Exclude fringe benefits. If professional and nonprofessional salaries cannot be separated, enter U/A on lines 22 and 23 and enter total staff on line 25.

24. **Questions 24-25.** Report 100% of student wages regardless of budgetary source of funds. Include federal and local funds for work study students.

25. **Question 26.** Exclude expenditures for buildings, maintenance, and fringe benefits.

26. **Questions 28-29. Interlibrary Loan.** Report the number of filled requests for material provided to other libraries on line 28. Report the number of filled requests for material received from other libraries or document delivery services on line 29. On both lines, include originals, photocopies, and materials sent by telefacsimile or other forms of electronic transmission. Do not include transactions between libraries covered by this questionnaire.

27. **Questions 30-31. Ph.D. Degrees.** Report the number awarded during the 1991-92 fiscal year. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please add a footnote on p. 4 of the questionnaire.

28. **Question 31.** For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties enumerated in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey. Although the IPEDS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be footnoted on p. 4 of the questionnaire.

29. **Questions 32-35. Enrollment.** U.S. libraries should use the Fall 1991 enrollment figures reported to the Department of Education on the form entitled "Integrated Postsecondary Education Data System, Fall Enrollment 1991." The line and column numbers on the IPEDS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL last year to ensure consistency and accuracy. **Note:** In the past, the number of part-time students reported was FTE; the number now reported to IPEDS is a head count of part-time students. Canadian libraries should note that the category "graduate students" as reported here includes all post-baccalaureate students.

30. **Question 36. Instructional Faculty.** Instructional faculty are defined by the U.S. Dept. of Education as

> *those members of the instruction/research staff who are employed full-time as defined by the institution, including faculty with released time for research and faculty on sabbatical leave. Full-time counts exclude faculty who are employed to teach fewer than two semesters, three quarters, two trimesters, or two four-month sessions; replacements for faculty on sabbatical leave or leave without pay; faculty for preclinical and clinical medicine; faculty who are donating their services; faculty who are members of military organizations and paid on a different pay scale from civilian employees; academic officers, whose primary duties are administrative; and graduate students who assist in the instruction of courses."*

Please be sure the number reported, and the basis for counting, are consistent with those for 1990-91 (unless in previous years faculty were counted who should have been excluded according to the above definition). Please footnote any discrepancies.

31. **Footnotes.** Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see instruction #5 for definition of branch campus libraries). Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1990-91 *ARL Statistics* is included in the questionnaire. **Please update these notes, delete them, or indicate that they remain valid.** Note that the number in parentheses refers to the appropriate column on the Library Data Tables in the published *Statistics*, not to a line number on the questionnaire.)

32. After the questionnaire has been completed, compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year. If an unusual change has occurred, provide an explanatory footnote on p. 4 of the questionnaire.

33. Before returning the questionnaire, **please check all arithmetic.** Many follow-up telephone calls can be avoided if calculation errors are corrected before the questionnaire is submitted.

34. Return one copy of the questionnaire to the ARL Office by **October 11, 1992.** If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office. Please be sure the library director has signed the questionnaire before it is returned.

ASSOCIATION OF RESEARCH LIBRARIES

ARL STATISTICS QUESTIONNAIRE, 1991-92

Please do not leave any lines blank. If an exact figure is unavailable, use "U/A." If a question is not applicable in your library, use "N/A." If the appropriate answer is zero or none, use "0".

Reporting Institution _____ Date Returned to ARL _____

Questionnaire Completed by (Name) _____

Position _____ Phone _____

Contact Person (if different) _____

Position _____ Phone _____

COLLECTIONS *(See instructions 7-11)*

1. **Volumes held June 30, 1991** *(See instruction 7)* _____
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.
   Record figure reported last year or footnote adjusted figure on p. 4.)

2. **Volumes added during year -- Gross** *(See instruction 8)*
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.) _____

3. **Volumes withdrawn during year**
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.) _____

4. **Volumes added during year -- Net** (Subtract line 3 from line 2) _____

5. **Volumes held June 30, 1992** (Add line 1 to line 4) _____

6. **Number of monographic volumes purchased** *(See instruction 9)* _____
   (Volumes for which expenditures are reported on line 16. Footnote if titles.)

7. **Number of current serials, including periodicals, purchased** *(See instruction 10)* _____

8. **Number of current serials, including periodicals, received but not purchased** (Exchanges, gifts, deposits, etc.)
   (See instructions 10-11) _____

9. **Total number of current serials received** (Add line 7 to line 8) _____
   (See instruction 11)

10. **Total microform units held June 30, 1992** *(See instruction 12)* _____

11. **Total government documents not counted above** (pieces) _____
    (See instruction 13)

PERSONNEL *(See instructions 14-16. Round figures to nearest whole number.)*

12. **Number of professional staff, FTE** *(See instruction 15)* _____

13. **Number of nonprofessional staff, FTE** _____

14. **Number of student assistants, FTE** *(See instruction 16)* _____

15. **Total FTE staff** (Add lines 12, 13, 14) _____

1527 New Hampshire Avenue, N.W., Washington, D.C. 20036
202-232-2466 FAX 202-462-7849

EXPENDITURES *(See instructions 17-25)*	Dollars Canadian (Canadian libraries only)	Dollars U.S. (Divide Canadian dollars by 1.1623)
16. Monographs (Expenditures for volumes reported on line 6) *(See instruction 18)*		
17. Current serials including periodicals *(See instruction 19)*		
18. Other library materials (e.g., microforms, a/v, etc.) *(See instruction 20)*		
19. Miscellaneous (All materials fund expenditures not included above) *(See instruction 21)*		
20. Total library materials (Add lines 16, 17, 18, 19)		
21. Contract binding *(See instruction 22)*		
22. Salaries and wages – professional staff *(See instruction 23)*		
23. Salaries and wages – nonprofessional staff *(See instruction 23)*		
24. Salaries and wages – student assistants *(See instruction 24)*		
25. Total salaries and wages (Add lines 22,23,24) *(See instruction 23)*		
26. Other operating expenditures *(See instruction 25)*		
27. Total library expenditures (Add lines 20, 21, 25, 26)		

INTERLIBRARY LOANS *(See instruction 26)*

28. Total number of filled requests for materials <u>provided</u> to other libraries	
29. Total number of filled requests for materials <u>received</u> from other libraries	

PH.D. DEGREES *(See instructions 27-28)*

30. Number of Ph.D.s awarded in FY1991-92	
31. Number of fields in which Ph.D.s can be awarded *(See instruction 28)*	

ENROLLMENT -- FALL 1991 *(See instruction 29; line numbers refer to IPEDS survey form)*

32. Total full-time students (Add line 8, columns 15 & 16, and line 14, cols. 15 & 16)	
33. Total part-time students (Add line 22, columns 15 & 16, and line 28, cols. 15 & 16)	
34. Total full-time graduate students (Line 14, columns 15 & 16)	
35. Total part-time graduate students (Line 28, columns 15 & 16)	

FACULTY *(See instruction 30)*

36. Number of full-time instructional faculty in FY1991-92	

FOOTNOTES FOR ARL STATISTICS, 1991-92

(See instruction 31. Compare footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate. For your convenience, a copy of your library's footnotes from last year is given on p. 4 of this questionnaire.)

1. **Law Library statistics are included.**

   _____ Yes _____ No _____ We do not have a Law Library

2. **Medical Library statistics are included.**

   _____ Yes _____ No _____ We do not have a Medical Library

3. **Other main campus libraries not included:**

   _____

   _____

   _____

4. **Figures include reports from branch campus libraries.** *(See instruction 5)*

   _____ Yes _____ No _____ We have only one campus.

5. **If branch campus libraries are included, please specify which campuses.**

   _____

   _____

6. **If branch campus libraries are <u>not</u> included, please specify which campuses:**

   _____

   _____

7. **Basis of volume count is:** _____ Physical _____ Bibliographic

8. **Count of current serials** (Questions 7-9) **includes government document serials.**

   _____ Yes _____ No

9. **Fringe benefits are included in expenditures for salaries and wages** (Questions 22-25).

   _____ Yes _____ No

10. **Other comments:**

    _____

    _____

    _____

    _____

    _____

FOOTNOTES FOR ARL STATISTICS, 1991-92

11. **Footnotes as published in the 1990-91 *ARL Statistics*.** (Please indicate revisions, additions, and deletions as appropriate. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. Note: number in ( ) refers to the column in Library Data Tables in 1990-91 *ARL Statistics*.)

PLEASE RETURN COMPLETED QUESTIONNAIRE TO THE ARL OFFICE BY **OCTOBER 16, 1992.**

Reporting Institution: _____

Library Director's Signature: _____

Association of Research Libraries, 1527 New Hampshire Avenue, N.W., Washington, D.C. 20036. (202) 232-2466; Fax (202) 462-7849. Please call Nicola Daval or Patricia Brennan for assistance with the questionnaire; E-mail nicky@cni.org.

FOOTNOTES TO THE ARL STATISTICS, 1991-92

Footnotes may also include errata and corrections to 1990-91 data not previously reported. Numbers in parentheses refer to columns in Library Data Tables (fold-out pages) and not to questionnaire numbers or rank tables.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
ALABAMA		All figures are as of September 30, 1992.
	(1)	Excludes government documents.
	(8)	Includes government documents microforms.
	(9)	Government documents are not yet included in online catalog.
	(13)	Includes 3 FTE temporary positions.
	(18)	Includes Law Library, Health Sciences Library, and Map Library only; Gorgas Library (main) and branches do not separate expenditures for audiovisual materials and microforms.
	(19)	Center for Research Libraries membership.
	(26)	Includes bibliographic utilities, memberships (except CRL), and literature searching.
ALBERTA		All figures are as of March 31, 1992.
		Includes Faculté St. Jean, books from Map Collection and Data Library. Excludes St. Joseph's College Library, University of Alberta Hospital School of Nursing, and departmental reading rooms.
	(3, 4)	Includes government documents.
	(16, 17)	Figures including outside funding would be (16) $1,518,077 (Can.); (17) $3,470,842 (Can.).
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(16-27)	Expenditures are University-provided funding only.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,252,699; (17) $3,403,616; (18) U/A; (19) 0; (20) $4,656,316 (21) $176,669; (22) $4,176,193; (23) $7,350,509; (24) $710,285; (25) $12,236,987; (26) $1,376,275; (27) $18,446,247.
ARIZONA	(1)	Includes government documents
	(6)	Figures for Health Sciences Library are unavailable.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
ARIZONA (cont.)	(7)	Includes government document serials.
	(5)	Serials Purchased figure for Main Library was 18,273.
ARIZONA STATE		Includes Arizona State University West Campus.
		Includes data from University Media Systems for the first time this year.
	(1)	Includes Arizona and U.N. documents (cataloged) for first time this year. Federal documents (uncataloged) are reported in Government Documents (9).
	(5)	The sharp decline in serials purchased is due primarily to documents now correctly reported in Serials Not Purchased (6). In 1990-91 they were incorrectly reported as Serials Purchased (5).
	(6)	Includes government documents serials received but not purchased.
	(8)	Excludes government documents microforms.
	(9)	Includes Federal documents only. Arizona and U.N. documents are now reported in Volumes in Library (1), hence the slight decline from 1990-91 figure.
AUBURN		All figures are as of September 30, 1992.
	(1)	Includes 357,926 cataloged government documents.
	(3)	Includes 6,136 cataloged government documents.
	(9)	Figure for government documents is piece count.
	(24)	Includes $57,926 from Federal Work-Study Program.
	(26)	Includes $2,946,904 Computer Center support allocation; Auburn abandoned this separate allocation to the Library at the end of FY91-92.
BOSTON		Includes the Theology Library.
	(1-3, 5-8)	Governments documents are included, except for Law Library documents.
	(9)	Figure represents Law Library government documents only.
BOSTON PUBLIC	(1)	Includes branch libraries and general library (1,723,955). Excludes patents (9,634,370) and prints (1,218,955).
	(1, 5-7)	Excludes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
BOSTON PUBLIC (cont.)	(18)	Includes microforms ($141,962) and audiovisual ($269,261).
BRIGHAM YOUNG		All figures are as of August 31, 1992.
	(1-3, 5-8)	Government documents are included.
	(14)	Base figure revised; the number of FTE students reported in past years was not accurate.
		Incorrect enrollment figures furnished by Office of Institutional Studies for 1990-91. The correct figures were: Total Full -time Students, 25,340; Total Part-Students, 6,322; Total Full-time Grad-Students, 1,704; Total Part-time Grad-Students, 1,037; Full-time Instructional Faculty, 1,300.
BRITISH COLUMBIA	(1-9, 16-27)	Figures are as of March 31, 1992.
	(1)	Includes cataloged and classified government documents.
	(5-7)	Government documents included for first time this year.
	(8)	Includes government documents.
	(12-15)	Includes: Operating Budget, 391 FTE; Grants, 4 FTE; Cost Recovery, 5 FTE; Projects, 7 FTE.
	(18)	Included in Monographs Expenditures (16).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $2,705,791; (17) $3,735,815; (18) U/A; (19) 0; (20) $6,441,606; (21) $267,970; (22) $5,327,745; (23) $6,621,900; (24) $1,109,446; (25) $13,059,091; (26) $2,569,277; (27) $22,337,944.
BROWN		Includes John Carter Brown, Annmary Brown, and Art Slide Libraries & media services.
	(16)	Includes documents and media (such as microforms, videos, and sound recordings).
CALIFORNIA, BERKELEY	(1-3, 5-8)	Includes government documents.
	(18, 19)	Included in Monographs Expenditures (16).
CALIFORNIA, DAVIS		Includes Harrison Western Research Center Library (19,375 bound volumes and 107 non-document serials) in Fair Oaks, California.
	(2)	Volumes added has been adjusted by 69,680 to reflect 10 "traditional" volumes per foot of government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CALIFORNIA, DAVIS (cont.)	(8)	Includes government documents.
	(9)	Figure reduced to reflect the conversion to volumes as stated above (2).
	(19)	Includes for Law Library: RLIN, $21,000; LEXIS and WESTLAW, $40,386.
CALIFORNIA, IRVINE	(1-3, 5-8)	Includes government documents, based on a piece count.
	(5-7)	Now includes government document serials.
CALIFORNIA, LOS ANGELES	(1-3)	Volume counts exclude government documents.
	(1)	1990-91 figure has been revised.
	(1-2)	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	(5-7)	Includes cataloged government document serials.
	(12)	Professional Staff includes Management and Professional Program employees.
CALIFORNIA, RIVERSIDE	(1)	1990-91 figure revised.
	(1)	Includes 9,886 government document volumes.
	(7-8)	Includes government documents.
	(9)	Majority of government documents are included in the bound volume count and are accessible through the online catalog.
	(24)	Includes $35,288 in federal work study funds.
	(26)	Includes opportunity funds, budgeted funds, and IUC funds.
CALIFORNIA, SAN DIEGO	(5-7)	Includes monographic and publishers' series.
	(17)	Includes serial and monographic standing orders and microform serials.
	(19)	Includes database services (literature searches).
	(15, 25)	Includes 11.75 FTE hired for cost recovery operations, special projects, and grants.
		Faculty figures are FTE, almost all of which are full time.
CALIFORNIA, SANTA BARBARA		Volume counts exclude government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CALIFORNIA, SANTA BARBARA (cont.)	(5-7)	Includes government document serials.
	(18-19)	Included in Monographs Expenditures (16).
CANADA INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION		Includes 14 branch libraries throughout Canada that serve the divisions of the National Research Council of Canada, CISTI's parent organization.
		Medical resources integrated into main collection. Medical reference and MEDLARS services provided by Health Sciences Resources Center.
		All figures are as of March 31, 1991.
	(1-3, 5-8)	Includes government documents.
	(8)	Total microform titles held, excluding individual fiche.
	(16-27)	Expenditures reported in Canadian dollars were: (16) U/A; (17) U/A; (18) U/A; (19) U/A; (20) $7,613,000 (21) $22,000; (22) U/A; (23) U/A; (24) U/A; (25) $9,293,000; (26) $7,882,000; (27) $24,810,000.
CASE WESTERN RESERVE	(1-3)	Count is physical for some libraries and bibliographical for others.
	(1-3, 5-8)	Includes government documents.
	(5-6)	For the Medical Library, continuations are included with monographs not serials.
	(12-15)	Medical Library includes 1 FTE professional paid from special grant funds, and .4 FTE professionals, 3.5 FTE nonprofessionals, and 1 FTE student assistant paid from grant funds.
	(16-27)	For University Library, includes expenditures for materials fund staff in Library Information Technologies, the unit responsible for library systems and technology, which reports directly to the Vice President for Information Services. These figures were not included in 1990-91.
CENTER FOR RESEARCH LIBRARIES	(1)	1990-91 figure revised. Basis of volume count is now bibliographic.
	(1-3, 8)	Includes government documents (number estimated).
	(5-7)	Excludes most government documents in collection.
	(18, 27)	Includes restricted-fund expenditures.
	(26)	Excludes figures related to building maintenance.
CHICAGO	(1-3)	Includes cataloged government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CHICAGO (cont.)	(1-3)	1990-91 figures revised.
	(4)	Excludes monographic series and continuations.
	(5-7)	Includes monographic series and cataloged government document serials; excludes duplicate subscriptions.
	(7)	Includes cataloged government document microforms.
	(11)	Includes 899 filled requests for materials received from the Center for Research Libraries.
	(12-15, 22-25)	Segregated data not available on cost recovery positions/staff hired for special projects and grants.
	(16)	Excludes monographic series and continuations.
	(17)	Includes monographic series; includes duplicate subscriptions.
	(18)	Figure constitutes some electronic media (LEXIS and WESTLAW). Other electronic media, microforms, serials backfiles, charts and maps, audiovisual materials, manuscripts, etc., included in Monographs Expenditures (16) and Serials Expenditures (17)
CINCINNATI	(5-7)	Includes government document serials that are cataloged and classified.
	(12-13, 22-23)	Basis of calculations modified from previous years.
		Degrees awarded includes only Ph.D. degrees; excludes all other doctoral degrees.
COLORADO	(1-3)	Excludes government documents.
	(5-8)	Includes government documents.
	(13)	Includes 8 FTE paid from auxiliary funds.
	(14)	Includes 35 FTE paid from work study funds.
	(18)	Includes Humanities Special Purchases.
	(19)	Includes bibliographic utility expenditures.
	(22)	Figure reported in 1990-91 included $387,130 in retroactive payments to female librarians for salary equity.
COLORADO STATE	(2)	Includes 31,753 documents.
	(7)	Includes 8,970 document serials.
	(8)	Includes 1,576,461 document microform units.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
COLORADO STATE (cont.)	(19)	Includes ARL ($10,440); RLG ($29,243); RLIN Net borrow ($48,000); RLIN ($149,672); UnCover2 ($100); Bindery supplies ($16,288); Searches (IBDBS) ($3,884).
COLUMBIA		Volume count for Law School is bibliographical.
	(1-3, 5-8)	Includes government documents.
	(18)	Included in Monograph Expenditures (16) and Serials Expenditures (17).
	(19)	Expenditures for Law Library computer databases.
CONNECTICUT		Includes Greater Hartford Campus. Excludes Avery Point, Stamford, Torrington, and Waterbury.
	(1-3, 8)	Includes government documents.
	(1)	1990-91 figure revised to reflect corrected total for Health Center Library.
	(9)	Reduction from 1990-91 figure reflects bibliographic count conducted last year, not major cancellations.
CORNELL		Includes Geneva Experiment Station.
	(12-15)	Includes 9.5 Professional FTE, 17.4 Nonprofessional, and 7.2 FTE Student on grants/projects. Enrollment figures exclude Medical Division in New York City and students registered in absentia. Part-time enrollment reflects employee degree registrants only. Faculty count includes only full associate and assistant professors. Excludes faculty at the Medical Division in New York City.
DARTMOUTH	(12-15)	Includes 4 FTE professionals and 1 nonprofessional paid from grant funds.
DELAWARE		Includes Marine Studies Library at the University of Delaware Marine Studies Research Complex in Lewes, Delaware.
	(1-3, 8)	Includes government documents
	(9)	1990-91 figure revised to 384,359.
	(12-15, 22-25)	Excludes professional and nonprofessional staff in Computing and Network Services assigned to the library.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
DELAWARE (cont.)	(27)	Excludes operating budget of University of Delaware Library Associates, which in 1991-92 was $65,773.
DUKE		Includes Fuqua School of Business Library.
	(1)	1990-91 figure revised.
	(1-3, 5-8)	Includes government documents.
	(4)	Count is of titles rather than volumes. Does not include Law Library monographs purchased.
	(5, 6)	Figures excluding Law Library are 21,169 current serials purchased, and 3,500 current serials received but not purchased.
	(8)	Counts based on physical microform pieces. Includes Law Library government documents.
		Faculty figure includes tenured and tenure track faculty only.
EMORY		Oxford Campus data is included this year.
	(1)	1990-91 figure revised to reflect 19,160 volumes previously unreported; does not include government documents volumes for Law Library.
	(8)	Figure revised to include government documents microforms (General Libraries only).
	(9)	Includes all government documents in the Law Library.
	(12-27)	Figures are as of August 31, 1992.
	(15)	Includes 3 FTE cost recovery, and 1 FTE grant-funded positions.
	(19)	Includes database searches ($154,325) and bibliographic utilities ($28,000) for the Health Sciences Center Library.
FLORIDA	(1)	Includes government documents; 1990-91 figures inadvertently included a double count for storage.
	(22-25)	Figure excludes Fringe Benefits.
	(27)	Excludes expenditures for library automation provided by Florida Center for Library Automation.
		Graduate Student Figure excludes professional students.
FLORIDA STATE		Includes branch campus in Panama City (holdings and materials expenditures only); excludes Development Research School.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
FLORIDA STATE (cont.)	(1)	Includes most cataloged government documents.
	(16)	Includes microforms, audiovisual materials, etc.
	(18, 19)	Figures available for Law Library only.
		Number of total doctoral degrees awarded is reported; number of Ph.D.s only not available.
GEORGETOWN	(1-3)	Volume counts exclude government documents.
	(4)	Law Library represented as titles rather than volumes.
	(22, 23, 25)	Excludes Medical Library salaries paid by grants.
		Previous years' figures included clinical/preclinical medical faculty.
GEORGIA	(1-3, 5-8)	Includes cataloged government documents, some of which are shelved together in the Main and Science Libraries.
	(9)	Count of government documents currently underway.
GEORGIA TECH	(1-3, 5-7)	Includes government documents that are cataloged, classified, and housed separately.
	(5-7)	Reduction from 1990-91 figure reflects recount of serials conducted during 1991-92.
GUELPH		All figures are as of April 30, 1992.
	(5-6)	Data based on ongoing analysis of title count.
	(20)	Includes non-budgetary grants of $20,017.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $978,528; (17) $1,685,672; (18) $47,367; (19) $46,925; (20) $2,758,492; (21) $108,147; (22) $1,522,384 (23) $3,308,897; (24) $102,669; (25) $4,933,950; (26) $494,491; (27) $8,295,080.
HARVARD		Includes research institutions in District of Columbia and Italy.
	(1)	1990-91 figure revised.
	(1-3, 5-8)	Includes some government documents.
	(7)	FY92 serials totals are based on revised FY91 subscription counts in some units and do not reflect serials cancellations overall.
	(8)	Includes some government documents; excludes some international government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
HARVARD (cont.)	(27)	Separate figures for expenditures from grants and special projects are not available. Excludes fringe benefits ($6,321,012) and buildings and maintenance ($2,957,710) charged to library budget. Total reported expenses include these items: Cost recovery items ($5,171,297) included this year. (Revised figure for FY91 is $4,548,032.)
		All Ph.D.s are awarded through the Graduate School of Arts and Sciences. Full-time instructional faculty includes FY91-92 full-time faculty count for all faculties of the University.
HAWAII	(1-3, 5-8)	Includes government documents; based on a formula applied to a piece count.
HOUSTON		All figures are as of August 31, 1992.
		Excludes branch campus libraries at Clear Lake, Victoria, and Downtown.
HOWARD	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
ILLINOIS, CHICAGO	(1-3)	Excludes government documents.
	(5-8)	Includes government documents.
	(7)	In spite of cancellations, number of Current Serials has risen due to more accurate counting of government document serials.
	(8)	Ongoing review of accurate count in this category has led us to use last year's number at this time.
	(12-15)	Figures reflect cuts taken at end of year. Figure for Full-Time Graduate Students includes graduate and professional students; in previous years only graduate students were included.
ILLINOIS, URBANA	(1-3, 5-8)	Includes government documents.
	(15)	Includes 37 FTE graduate assistants and 9 FTE funded from research grants or other temporary funds.
	(10)	Illinois Research and Reference Center closed in 1991-92 hence dramatic decrease in figure from 1990-91.
INDIANA	(1)	1990-91 figure revised to include Black Culture Center Library.
	(1-3, 5-8)	Includes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
INDIANA (cont.)	(6-7)	9,136 government documents serials included as received but not purchased.
	(15)	Includes new staffing due to merger of libraries and University Archives.
	(16-27)	Figures reflect addition of University Archives budget, and expenditures for State-Wide Library Automation project. Figures do not reflect complete expenditures for the Kinsey Institute Library.
IOWA	(1-3)	Excludes government documents.
	(3-5)	Excludes annuals and proceedings.
	(6)	Includes cataloged and uncataloged government documents for all locations for first time.
	(8)	Includes government documents in all locations for first time.
	(17)	Excludes annuals and proceedings; includes memberships.
	(19)	Includes RLIN operating expenses ($132,687).
	(25)	Excludes salary for .5 FTE Associate Dean for Research in Law.
	(26)	Includes automation expenditures.
IOWA STATE	(7)	Includes 3,005 government document serials.
	(12)	Includes 1 FTE cost recovery/grant/special projects position paid out of other academic departments.
	(13)	Includes 6.89 FTE cost recovery/grant/special projects positions paid out of other academic accounts.
	(14)	Includes 6.2 FTE cost recovery/grant/special project positions, paid out of other academic accounts.
	(19)	Includes OCLC ($21,000), literature searching ($4,000); contract conservation, preservation supplies, and reformatting ($19,920); and postage ($5,000).
JOHNS HOPKINS		Includes Eisenhower Library; Peabody Conservatory Library; Welch Medical Library; Institute of the History of Medicine; School of Hygiene and Public Health Library; Applied Physics Laboratory Library; School of Advanced International Studies in Washington, DC, and Bologna, Italy; the Center for Italian Studies in Florence, Italy; the Montgomery County Center in Rockville, MD; and the School of Continuing Studies' Columbia Center and Downtown Center.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
JOHNS HOPKINS (cont.)	(1)	1990-91 figure revised.
	(1-3, 5-8)	Includes government documents based on ARL formula.
	(19)	Includes literature searching, computer-assisted instruction, and postage for library materials.
KANSAS		Main Library includes Regents Center Library, Overland Park Kansas. Medical Library includes Clendening History of Medicine Library beginning in 1990-91, and excludes University of Kansas School of Medicine at Wichita, KS.
	(1-3, 5-8)	Excludes government documents.
	(22)	Includes $191,197 (9.5 FTE) for grant-funded position.
	(23)	Includes $14,079 (1 FTE) grant-funded position.
	(24)	Includes $5,765 (.65 FTE) grant-funded student assistants.
		Count of Ph.D. fields includes one joint program with Kansas State, for a total of 60 fields at Lawrence campus and 9 Medical Center in Kansas City. Two fields are inter-campus programs and were reported twice in FY90. Two removed in FY90 from Lawrence Campus.
		Main Library full-time instructional faculty excludes faculty administrators and librarians. Medical Library faculty excludes 63 full-time faculty at University of Kansas School of Medicine in Wichita, KS.
KENT STATE		Includes main campus and branches at Astabula, Geauga, East Liverpool, Salem, Stark, Trumbull, Tuscarawas.
	(1)	1990-91 figure revised.
	(1-3, 5-8)	Includes government documents.
	(5)	Includes continuations
	(10-11)	Previous years figures included all requests not just those filled.
	(12-15,18,20,22-27)	Figures include Audiovisual Services, Computer Assisted Instruction and Teleproduction.
KENTUCKY		Excludes branch campuses at Lexington, Prestonsburg, Madisonville, Hopkinsville, Henderson, Louisville (2), Ashland, Somerset, Maysville, Elizabethtown, Cumberland, Hazard, Owensboro, and Paducah.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
KENTUCKY (cont.)	(2)	214,000 volumes added through retrospective conversion tapeload of 1976-89 government documents.
	(14)	Increase in student FTE reflects the opening of two large microcomputer labs, and inclusion of audiovisual services into library organization.
	(19)	Includes bibliographic utilities ($71,000), deposit accounts ($34,499), postage ($47,670), and document delivery and literature searching, ($5,483).
LAVAL		All figures are as of May 31, 1992.
	(1-3, 5-8)	Includes government documents.
	(4)	Count is number of titles rather than volumes.
	(14)	12 FTE student assistants hired for implementation of the new automated system.
	(16)	Includes $29,555 (Can) in grant funds.
	(19)	Includes online literature searching.
	(21)	Includes only special contracts and binding supplies. Most binding is done in-house. Salaries involved are $200,577 (Can.).
	(25)	Excludes fringe benefits $1,456,894 ($1,937,757 Can.).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,362,641; (17) $2,651,148; (18) $42,986; (19) $103,843; (20) $4,160,618; (21) $50,128; (22) $4,138,115; (23) $5,565,957; (24) $488,331; (25) $10,192,403; (26) $891,796; (27) $15,294,945.
LIBRARY OF CONGRESS		All figures are as of September 30, 1992.
	(3)	Estimated figure.
	(8-9)	Estimated figure.
	(25)	Includes fringe benefits.
LINDA HALL		All figures are as of December 31, 1991.
	(1)	1990-91 figure revised
	(1-3, 5-7)	Excludes government documents
	(8)	Includes government documents.
LOUISIANA STATE		Includes Law Library and Veterinary Medicine Library.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
LOUISIANA STATE (cont.)	(1)	1990-91 figure revised .
	(4)	Main and Veterinary Libraries are unable to report this figure; 10,625 for Law Library.
	(5-6)	Excluding Law Library figures are 11,401 serials purchased and 4,337 serials received but not purchased.
	(9)	This figure has decreased to correct a prior miscalculation.
	(18)	Includes $415,909 for Law Library, 5,000 for Main Library audio recordings.
	(23)	Includes $214,027 in salaries paid to Graduate Assistants.
	(26)	Includes $90,000 paid to SOLINET included under reporting expenditures.
McGILL		All figures are as of May 31, 1992.
	(1-3, 5-8)	Excludes government documents.
	(2-3)	Includes 33,873 added volumes and 40,988 withdrawals due to merger of libraries.
	(18)	Included in Monographs Expenditures (16) and Serials expenditures (17).
	(19)	Includes Tattletape ($16,793 Can.) bibliographic searching ($268,506 Can.) and memberships ($27,894 Can.).
	(23)	Includes contracted security services ($154,317 Can.).
	(26)	Includes Automation equipment/installation costs ($102,828 Can.); and capital equipment ($292,450 Can.).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,991,742; (17) $2,936,342; (18) U/A; (19) $313,193; (20) $5,241,277; (21) $203,156; (22) $4,398,690; (23) $5,906,923; (24) $506,865; (25) $10,812,478; (26) $1,358,232; (27) $17,615,143.
		Total part-time student figure reported is FTE; headcount is 10,459.
McMASTER		All figures are as of June 30, 1992.
	(1)	1990-91 figure adjusted to reflect a documents linear feet count rather than a mix of formulae.
	(1-8)	Includes government documents. For all areas except Health Sciences, government documents counts are based on the linear feet x 10 formula.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
McMASTER (cont.)	(13)	Includes 3 FTE contract and 3.5 FTE vacant positions.
	(14)	Includes 1 FTE contract, 1 FTE cost recovery, 0.5 FTE special funds and contract positions.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,705,434; (17) $2,951,616; (18) $18,726; (19) $21,383; (20) $4,697,159; (21) $147,479; (22) $2,145,867; (23) $3,989,051; (24) $341,330, (25)$6,476,248; (26)$470,359; (27) $11,791,245.
MANITOBA		All figures are as of March 31, 1992.
	(1-3, 5-8)	Excludes government documents.
	(12-13)	Includes 1 FTE professional and 2.37 FTE non-professional paid from grant funds.
	(18, 19)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,124,940; (17) $2,298,360; (18) U/A; (19) U/A; (20) $3.323,300; (21) $157,032; (22) $2,792,055; (23) $3,945,055; (24) $567,636; (25) $7,304,746; (26) $1,375,300; (27) $12,160,378.
MARYLAND		College Park Campus. Figures include the College of Library and Information Services Library only for collections and materials expenditures.
	(1-3, 5-8)	Includes government documents.
	(14, 25)	Expenditures for federal work study students are excluded, but these students are included in the calculation of FTE student assistants.
		Ph.D. count includes all doctoral fields.
MASSACHUSETTS	(1-3, 5-8)	Includes government documents.
	(1)	1990-91 figure revised.
		Ph.D.s. awarded excludes 145 Ed.D. degrees.
MIT	(1-3, 5-8)	Includes government documents.
	(19)	Includes bibliographic utilities ($265,231) and literature searching ($121,576).
MIAMI	(1-3)	Excludes government documents.
	(5-8)	Includes government documents.
	(22)	Excludes director's salary.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
MICHIGAN		Excludes Dearborn Campus Library, and the University of Michigan-Flint Library.
	(1)	1990-91 figure revised.
	(1-3, 5-8)	Includes government documents.
	(17)	Includes microform serials.
		Includes Ph.D. fields only; professional degrees and individualized program degrees are excluded.
MICHIGAN STATE	(1,3,5)	Excludes government documents.
	(5, 7)	Includes some monographic series that cannot be disaggregated.
	(6-8)	Includes government documents.
	(12)	Includes .85 FTE paid from grant funds, 3 FTE temporary, and 4.78 FTE paid by other university units.
	(13)	Includes 1 FTE paid from grant funds.
	(14)	Includes .5 FTE paid from grant funds and 22.5 FTE from cost recovery funds.
	(17)	Includes expenditures for some monographic series that cannot be disaggregated.
	(18)	Included in Monographs Expenditures (16) and Serial Expenditures (17).
MINNESOTA	(1-3, 5-8)	Includes government documents.
	(9)	Adjusted to reflect change in government document counting.
	(4)	Figure reflects title count rather than volumes.
MISSOURI	(6)	Includes document serials for first time.
	(19)	Includes $11,932 paid to OCLC by Law Library, $55,565 for computer-assisted legal research, and $729 for automation.
	(22)	Includes $135,765 for UM-Wide Library Systems Office for online catalog.
	(26)	Includes $476,856 for UM-Wide Library Systems Office for online catalog.
NATIONAL AGRICULTURAL LIBRARY		U.S.D.A. field libraries are not included.
		All figures are as of September 30, 1992.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NATIONAL AGRICULTURAL LIBRARY (cont.)	(1-3, 5-8)	Includes government documents.
	(2)	Serial volumes added estimated from count of unbound issues; periodicals binding is not current.
	(21-25)	Includes Fringe Benefits.
NATIONAL LIBRARY OF CANADA		Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1992.
	(1-3, 8)	Excludes government documents.
	(4)	In addition to monographs purchased, two copies of documents published in Canada are received on legal deposit.
	(12-15)	Authorized person-years.
	(16, 17)	Canadian monographs and serials are received on legal deposit.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $95,531; (17) $1,101,195; (18) $2,147,551; (19) $184,915; (20) $3,529,192; (21) $56,708; (22) U/A; (23) U/A; (24) U/A; (25) $21,086,116; (26) $12,347,642; (27) $37,019,658.
NATIONAL LIBRARY OF MEDICINE		All figures are as of September 30, 1992.
	(1-3, 5-8)	Includes government documents; based on a combination of titles and volume counts.
	(12-27)	Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations.
NEBRASKA	(1-3, 5-8)	Includes government documents.
	(1-3)	Includes uncataloged documents at Law Library.
	(4)	Reflects titles purchased at main library. Figure not available for Law Library.
	(13)	Includes 3 FTE temporary.
	(19)	1991-92 figure differs significantly from 1990-91 figure due to distributing blanket order and package plans into serials for 1991-92.
	(20)	Includes $44,240 for literature searching and online public catalog for Law Library.
	(26)	Excludes $18,696 "maintenance" funds from main library budget.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NEWBERRY LIBRARY	(1-3, 5-8)	Excludes government documents.
	(4)	Count is in volumes, either purchased or acquired.
	(7)	In the past only counted periodicals.
	(8)	Recorded number of microform units.
	(25,26)	Includes salaries and wages associated with buildings, maintenance, and the Division of Research and Education.
NEW MEXICO	(1-3,5-8)	Includes government documents.
	(2-4)	General Library multiplies number of non-government document titles by conversion factor of 1.2 to estimate volumes. General Library divides number of government document pieces by 5.2 to estimate volumes.
	(7)	The increase in current serials reported is the result of a more accurate method of counting government document serials in the General Library.
	(13)	Includes 2.5 FTE nonprofessional staff in grant funded positions in the General Library.
	(16,18)	More precise accounting system in use in General Library allows for separation of expenditures for audiovisual materials formerly counted with monographs.
NEW YORK		All figures as of August 31, 1992.
	(1)	Includes Conservation Center Collection not previously reported.
	(1-3, 8)	Excludes government documents.
	(12)	Includes professionals who are not librarians.
	(19)	Excludes expenditures for bibliographic utilities, literature searching, etc.
NEW YORK PUBLIC LIBRARY	(1-3, 5-8)	Includes government documents.
	(15)	Includes number of positions authorized; does not reflect number of positions filled/vacant at any given time. Number also includes one-time only project positions.
	(22-23)	Separate figures unavailable.
NEW YORK STATE LIBRARY		All figures as of March 31, 1992.
	(1-3, 5-8)	Includes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NEW YORK STATE LIBRARY (cont.)	(15,27)	Includes figures for NEH, and Library fund as well as State and LSCA funds.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	(1-3, 5-8)	Includes government documents.
	(12,13)	Includes 4 FTE professionals and 2.5 FTE non-professionals on special grant funds; excludes 3 FTE paid from funds contributed by Duke and North Carolina State Universities for support of the Triangle Research Libraries Network.
	(27)	Includes $2,343,827 in grants, trust, and other special funds; excludes $212,711 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State Universities.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
	(1, 5-7)	Selected government documents included as of 1989-90.
	(4)	Includes some monographic standing order items paid from serials funds.
	(12)	Includes 1.75 FTE professional in grant-funded positions.
	(16-17)	Some monographic series are paid from serials funds (included in 17).
	(19)	Includes bibliographic utilities ($147,999, which includes special, one-time purchase of equipment) and memberships ($39,047).
NORTHWESTERN		Includes Chicago Campus and Dental Library.
		All figures are as of August 31, 1992.
	(1-3,8)	Includes government documents.
	(12)	Two 2 FTE grant supported.
	(13)	Two 2 FTE equivalent grant supported.
		Medical School academic full-time faculty are treated as full-time in 1990-91.
NOTRE DAME	(1-3,5-7,8)	Excludes government documents unless cataloged.
	(2)	Figure includes 9,500 volumes purchased by Law Library on June 28, 1990, but added to the collection between July 1, 1991, and June 30, 1992.
	(4)	Does not include 9,500 volumes for law library.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NOTRE DAME (cont.)	(8)	Figure based on physical recount conducted this year.
	(10-11)	Figure reflects only filled requests; in previous years reported filled and unfilled requests.
OHIO STATE		Volume count is bibliographical, reported in previous years as physical.
	(1-8)	Includes government documents.
	(15)	Includes 2.8 FTE positions funded by grants.
	(18, 19)	Includes only Law Library expenditures. Data for other libraries included in Monographs Expenditures (16) and Serials Expenditures (17).
	(26)	Includes expenditures attributed in 1983-84 and earlier years to the University computer center.
OKLAHOMA	(1-3, 8)	Excludes government documents.
OKLAHOMA STATE		Includes OSU Technical Branches in Oklahoma City and Okmulgee, and the College of Osteopathic Medicine in Tulsa.
	(1-3,5-8)	Includes government documents.
OREGON	(1-3,5-8)	Includes government documents.
	(1-9)	Includes government documents.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(19)	Includes bibliographic utilities, online searching, shipping charges, and miscellaneous. Full-time faculty figure represents tenured and tenure-track faculty.
PENNSYLVANIA	(1-3, 5-8)	Includes government documents.
PENNSYLVANIA STATE		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., Du Bois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Penn State Erie, Penn State Great Valley, Penn State Harrisburg, Schuylkill, Shenango Valley, Wilkes-Barre, Worthington Scranton, York, Capital College.
	(1)	1990-91 figure revised by increase of 2,450.
	(1-3, 5-8)	Includes government documents.
	(1-8)	Included in Monograph Expenditures (16) and Serials Expenditures (17).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
PENNSYLVANIA STATE (cont.)	(19)	Includes electronic resources.
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensberg, Bradford, and Titusville.
	(1-3, 5-8)	Includes government documents.
	(18)	Excludes microforms, except for Law Library.
		Faculty figures include both instructional faculty and faculty identified otherwise.
PRINCETON	(1-3,5-8)	Includes government documents.
	(25)	Figures prior to 1985-86 included fringe benefits.
	(26)	Figures before FY91 do not include non-salary expenditures for grant funded projects or photo-services.
PURDUE	(1-3)	Includes cataloged government documents.
	(5-7)	1990-91 figures reported incorrectly. Correct figures are: Current Serials Purchased, 14,060, and Total Current Serials, 16,149.
	(18)	Due to recent accounting changes, expenditures for other library materials (Item 18) are included in lines 16 an (17) and cannot be disaggregated.
QUEEN'S		All figures are as of April 30, 1992.
	(1-3, 7)	Excludes government documents.
	(9)	Figure reevaluated for 1991-92, using ARL formula.
	(12)	Includes 3 FTE Librarian contract positions paid on soft money, not operating funds, and 1 FTE paid on a casual basis.
	(17)	Includes microforms.
	(18)	Includes audiovisual material only.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,623,587; (17) $2,904,430; (18) $20,335; (19) 0; (20) $4,548,352; (21) $189,730; (22) U/A; (23) U/A; (24) $312,378; (25) $6,587,178; (26) $657,363; (27) $12,295,001.
		Enrollments as of December 13, 1991.
		All ranks combined, including deans and excluding medical and dental instructors. Data from 1991-92 Statistics Canada publication (81-2582).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
RICE	(1)	1990-91 figure revised to show correction from last years count.
	(1-3, 5-8)	Includes government documents.
	(10-11)	Does not include borrowing and lending activity of our fee-based off-campus information delivery operation.
	(14)	Includes temporary hourly workers hired.
	(17)	Includes$200,000 prepaid for FY93.
	(22-27)	Includes cost recovery expenditures and expenditures from other university cost centers for core library services.
ROCHESTER	(1-3)	Excludes government documents.
	(5-7)	Includes government document, except for Sibley Music Library.
	(5-6)	Figures unavailable for Sibley Music Library. Excluding Sibley Music Library figures are 10,958 serials purchased and 1,701 serials received but not purchased.
	(8)	Excludes government documents; excludes figure for Edward G. Miner Library.
	(9)	Rush Rhees Library only.
	(12,22)	Includes Sibley Music Library Director.
	(12)	Includes 2 FTE grant-funded positions for Sibley Music Library excluded from Salaries and Wages - Professional Staff (22).
	(13)	Includes 2 FTE grant-funded positions for Sibley Music Library not included in Salaries and Wages - Nonprofessional Staff (23)
	(16)	Includes Other Library Materials for Rush Rhees Library.
	(17)	Includes monographs and publishers' series for Rush Rhees Library.
	(18)	Figure unavailable for Rush Rhees Library.
	(19)	Excludes Sibley Music Library.
		Graduate enrollments exclude MD students, but include other advanced degree students, e.g. Masters and Ph.D.s in the Medical School.
		Faculty information reported is from IPEDS-SA(AAUP). In previous years the faculty data was from Affirmative Action reporting and included clinical/ preclinical faculty.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
RUTGERS		Figures include two law libraries; services to a non-Rutgers medical school; and campuses in Camden, Newark, and New Brunswick.
	(7)	Current Serials figure adjusted to reflect a new physical count. Decrease in serials actually occurred in FY91-92 Document serials are included.
	(19)	Includes Memberships ($278,372).
	(20,23)	Excludes staff hired for special projects and grants.
SASKATCHEWAN		Excludes Theological College libraries on campus that are not part of the library system.
		Figures are as of April 30, 1992, except adjustments for retrospective database conversions, which are for date of compilation (April 15).
	(1)	1990-91 figure revised. Includes retrospective CODOC cataloging of government publications. Totals, additions, and withdrawals reflect document conversion to volume equivalents per ARL formulas. Excludes Special Collections retrospective conversion to public database (OPC) of pamphlets (7,605 records, April 15,1992) and manuscripts (999 records, April 15, 1992). Theses records are already included in system-wide OPC.
	(1-3, 5-8)	Includes government documents.
	(4)	Titles purchased.
	(6)	Includes 3,557 government publication subscriptions received on deposit and 899 gifts.
	(18)	Included in Monographs Expenditures (16).
	(16-27)	Expenditures reported in Canadian dollars are: (16) $1,466,229; (17) $3,299,659; (18) U/A; (19) 0; (20) $4,765,888; (21) $139,025; (22) $1,978,061; (23) $3,163,105; (24) $141,366; (25) $5,282,532; (26) $585,399; (27) $10,772,844.
SMITHSONIAN INSTITUTION		Excluded are: Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art and National Portrait Gallery.
		Branches outside Washington D.C. include: Center for Astrophysics (formerly Smithsonian Astrophysical Observatory), Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum of Decorative Arts and Design, New York City; and Smithsonian Tropical Research Institute, Panama.
		All figures are as of September 30, 1992.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SMITHSONIAN INSTITUTION (cont.)		Basis of volume count is physical, reported in previous years as bibliographical.
	(2)	Represents volumes received in the branches. Microforms are not included.
	(2-4)	Represents the number of titles, not volumes.
	(10)	Loans to outside Smithsonian Institution Libraries only.
	(16)	Includes expenditures for both print and non-print items; the amount for non-print items cannot be disaggregated from the total. Figure represents $353,809 for SIL collections and $93,236 for non-SIL collections.
	(17)	Includes $21,875 for CD-Roms for SIL Database Search Center, $625,656 spent for SIL collections, and $50,866 spent for non-SIL collections.
	(18)	Includes $15,500 for ILL and $500 for photoduplication/microfilming at the Library of Congress. Expenditures for additional "other" materials have been included in Monograph Expenditures (16) and Serials Expenditures (17).
	(19)	Includes database searching, $56,850; document delivery, $17,000; and OCLC, $145,000.
	(22,23)	Actual "on board" costs. Does not include any "lapsed salaries" due to vacancies. Lapsed salaries were reprogrammed for expenditures in other areas.
	(26)	Includes contract cataloging, $247,469; S.I. Bibliographic Information System, $119,530; preservation contracts, $62,300; HOLLIS utility for serials check-in, $840 The remaining $322,700 includes expenditures for general and automation supplies and equipment purchases, memberships, and miscellaneous contracts.
	(27)	Does not include: health and medical benefits,$790,762; travel, $36,208; training, $17,699; building maintenance, $803; equipment maintenance and service, $53,639; public and staff programs, $79,928, and some unexpended monies. S.I. Libraries total expenditures from federal and private sources totaled $6,802,000.
SOUTH CAROLINA	(5-7)	Includes government documents.
	(26-27)	Includes $931,956 in fringe benefits.
SOUTHERN CALIFORNIA		Excludes Safety and Systems Management Library.
	(1-3, 7-8)	Includes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SOUTHERN CALIFORNIA (cont.)	(4)	Figure reflects a title count rather than volumes for the Central Library System (28,752).
	(5-7)	Excludes Law Library for which figures are unavailable.
SOUTHERN ILLINOIS		Excludes School of Medicine Library (Springfield), which is not administratively part of Library Affairs.
	(1-3)	Includes government documents.
	(4)	Title count.
		Number of Ph.D.s awarded excludes MD., JD., DBA., and RHD degrees.
STANFORD		Figures include Hopkins Marine Station Library.
	(1-3,5-8)	Includes government documents.
	(15)	Includes 8.4 FTE paid from grant and contract funds.
	(16-27)	Figures are as of August 31, 1992.
	(27)	Includes $1,119,768 in grant and contract funds.
		Enrollment figures reported in 1990-91 were for Fall 1991 rather than Fall 1990.
SUNY, ALBANY		Includes the Dewey Graduate Library of Public Affairs and Policy on East campus.
	(1-3, 5-8)	Includes government documents.
	(3)	Figure is an estimate; major file-cleanup following barcoding and linking of the circulating collection currently in progress.
	(4)	Figure reflects title count.
	(12-15)	Includes 5 FTE Professional, 7.3 nonprofessional, and 6.2 FTE student assistants in cost recovery positions on hired from grants.
	(19)	Includes ILL services, $11,020; memberships, $72,815; bibliographic utilities, $53,703; computer-based reference services $16,173; authority control, $13,350.
	(22-23)	As previously reported, salaries are based on a percentage formula.
SUNY, BUFFALO	(1-3, 8)	Excludes government documents.
	(12-15)	Includes 4 FTE professionals, 2 FTE nonprofessional, and 22 FTE student assistants on special projects grants.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SUNY, BUFFALO (cont.)	(19)	Includes memberships ($42,200), and bibliographic utilities and literature searching ($181,263).
	(24)	Excludes federal work-study funding.
		Ph.D.s awarded are as of June 30, 1992.
SUNY, STONY BROOK		Fiscal year changed to July 1-June 30 as of this year.
	(1)	1990-91 figure revised.
	(1-3, 5-8)	Includes government documents.
	(5)	Includes all serials received by Medical Library.
	(16)	Includes some non-print material for main library.
	(19)	Includes bibliographic utilities and automation ($257,980); literature searching ($4,713); and memberships ($60,990).
	(21)	Includes $76,669 from materials budget.
	(27)	Includes $686,352 from income fund and grants.
		Faculty count includes faculty formerly considered part-time resulting in higher number than last year.
SYRACUSE		Excludes Utica College.
	(1-3)	Includes government documents.
	(3)	Includes a major duplicate withdrawal project.
	(4)	Figure reported is titles rather than volumes.
	(7, 8)	Excludes government documents.
	(12)	Includes 2 FTE in Computing Center.
	(22)	Includes $180,257 for Academic Computing Center staff and Operating Expenditures.
		Ph.D.s awarded includes all doctoral degrees.
TEMPLE	(1-3, 5-8)	Excludes government documents.
	(9)	1990-91 figure revised.
	(19)	Includes literature searching; bibliographic utilities; RLG and CRL memberships.
		Ph.D.s awarded include all doctoral degrees.
TENNESSEE	(1)	Excludes uncataloged government documents.
	(1)	1990-91 figure revised.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TENNESSEE (cont.)	(2)	Includes musical scores.
	(7)	This decline in subscriptions is the result of two factors: a serials cancellation project, and better control from entering of subscriptions online which resulted in an actual item count.
	(9)	Includes uncataloged government documents, fiche and pamphlets for first time; previously only Law Library figures were reported.
	(16)	Includes restricted /endowed funds.
	(18-19)	Law Library only. Figures for UTK Libraries other than Law Library are included in Monograph Expenditures (16) and Serials Expenditures (17).
	(22-23)	Includes longevity pay.
	(26)	Includes operating and equipment.
TEXAS		All figures are as of August 31, 1992.
		Includes General Libraries, the Humanities Research Center, and Tarlton Law Library.
	(1)	Figure adjusted to include 24,000 serial volumes in the Marine Science Institute Library (Port Arkansas) an official unit of the General Libraries as of February, 1991.
	(1-3,5-8)	Includes government documents.
	(4)	Includes 48,768 volumes purchased by the General Libraries, 1,529 by the Tarlton Law Library, and 1,905 by the Humanities Research Center.
	(5)	Includes 21,640 current serials purchased by the General Libraries, 7,808 by the Tarlton Law Library, and 314 by the Humanities Research Center.
	(6)	Includes 20,494 serials received but not purchased by the General Libraries, 2,563 received by the Tarlton Law Library, and 48 received by the Humanities Research Center.
	(15)	Includes 18.55 FTE staff hired on grant, recovery, and special purchase funds.
	(16)	Includes expenditures for monographs of $1,556,813 by General Libraries, $86,132 by Tarlton Law Library, and $471,035 by Humanities Research Center.
	(17)	Includes expenditures for current serials of $2,918,493 by General Libraries, $692,229 by Tarlton Law Library, and $12,703 by Humanities Research Center.

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INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TEXAS (cont.)	(18)	Includes expenditures of $176,153 by General Libraries, $36,026 by Tarlton Law Library, and $126,081 by Humanities Research Center.
	(19)	Includes expenditures of $25,128 by General Libraries and $125,552 by Tarlton Law Library.
	(20)	Includes expenditures of $4,676,587 by General Libraries, $959,939 by Humanities Research Center, and $606,819 by Law Library.
	(24)	Includes federal work-study funds.
		Ph.D.s awarded includes D.Ed. degrees.
		Faculty figure is budgeted FTE.
TEXAS A&M		Medical Library is a separate academic entity; data from its two branch libraries are excluded.
		All figures are as of August 31, 1992.
	(1-3)	Includes government documents.
	(5-7)	Figures include FY92 information for the Medical Library and FY90 numbers for Evans Library.
	(8)	Includes government documents.
	(26)	Includes $750,000 for Computer Services Center operations of NOTIS.
TORONTO		All figures are as of April 30, 1992.
		Includes only the libraries of the university within the President's budget; excludes those of the federated and affiliated institutions.
	(1-3, 5-8)	Includes government documents.
	(1, 3, 5, 7)	Includes monographic series.
	(18, 19)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $4,420,410; (17) $5,437,208; (18) U/A; (19) U/A; (20) $9,857,618; (21) $361,677; (22) $8,883,998; (23) $14,410,008; (24) $1,747,479; (25) $25,041,485; (26) $2,858,761; (27) $38,119,541.
TULANE		Includes Delta Regional Primate Research Center in Covington, Louisiana.
	(1-3, 8)	Includes government documents.
	(4)	Figure is a combination of titles and volumes.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TULANE (cont.)	(16)	1990-91 figure inaccurate; correct figures is $1,199,690.
	(20)	1990-91 figure inaccurate; correct figure is $3,332,112.
	(19)	No longer includes SOLINET charges, which are now under "Other Operating Expenditures."
		Faculty figure includes School of Medicine and School of Public Health and Tropical Medicine.
UTAH	(1-3,)	Includes cataloged government documents.
	(5-7)	Includes government documents.
VANDERBILT	(1-3, 8)	Includes government documents.
	(1)	1990-91 figure was revised to record error in recording.
	(1)	Excludes 20,000 hours of videotape.
	(7)	1990-91 figure incorrectly reported; correct figure is 16,080.
	(17)	Includes current serials and periodicals purchased in microform.
		Full-time instructional faculty figure includes clinical faculty.
VIRGINIA	(1-3)	Includes government documents represented in the OPAC of the first time this year.
	(1)	1990-91 footnote revised to include 462,712 document volumes.
	(5-7)	Includes government document serials. Includes monographic series in Health Sciences Library and Law Library.
	(8)	Includes government documents microforms.
	(9)	Includes all U.S., international, and Virginia state documents in separate documents collection, excluding those represented by OPAC records.
	(17)	Includes expenditures for monographic series in Health Sciences Library and Law Library.
VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY		Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	(1-3, 5-8)	Includes government documents; based on ARL formula.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
VIRGINIA POLYTECHNIC NSTITUTE & STATE UNIVERSITY (cont.)	(7)	Reported figure reflects most accurate account to date based on our conversion to automated check-in system.
	(16)	Includes firm order approval and blanket order monographs and mining grant expenditure as well as regular monographic purchases.
	(17)	Includes pre-payment of $925,987 and $164,000 in materials expenditure due to loan from operating budget.
	(19)	Includes bibliographic utilities, $221,600; literature searching, $35,500; binding supplies and contractual services, $18,683; membership dues (ARL, CNI , CRL), $48,137; interlibrary loans, $16,822; postage and handling, $2,422; and VPI dissertation filming, $22,350.
WASHINGTON	(7)	Excludes Law Library.
	(1-3, 5-8)	Includes government documents.
	(12-15)	Includes 1 FTE professional, 5.5 FTE non-professionals, and 9 FTE students paid from cost recovery operations.
	(18)	Includes Law Library only.
WASHINGTON STATE	(12-15)	Includes staff for Instructional Media Services.
	(16, 17)	Includes microforms and CD-ROMs.
	(18)	Includes figures for Instructional Media Service purchase of film and videos only.
WASHINGTON, ST. LOUIS	(1)	1990-91 figure revised.
	(1)	Includes government documents for Central Library.
	(4)	Figures unavailable for Law Library.
WASHINGTON, ST. LOUIS (cont.)	(5-6)	Separate figure for Medical Library not available. For Central and law libraries figures are 13,432 purchased and 433 received but not purchased.
	(7)	Includes government documents for Law and Medical libraries.
	(9)	No separate figures available for Law and Business Libraries. Cataloged government documents included in Volumes in Library (1).
	(18)	Separate figure not available for the Central Library system.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
WASHINGTON, ST. LOUIS (cont.)	(19)	Includes literature searching, bibliographic utilities, ILL, memberships. Figures unavailable for Medical Library.
	(26)	Excludes approximately $1,048,305 for fringe benefits expended from libraries' budgets.
WATERLOO		Figures include the University Map and Design Library, the Davis Library, and the Optometry Reading Room.
		All figures are as of April 30, 1992.
	(1-3, 5-8)	Includes government documents.
	(15)	Figures based on 35 hour work week.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,798,463; (17) $2,392,022; (18) U/A; (19) U/A; (20) $4,190,485; (21) $113,231; (22) $2,491,614; (23) $3,625,356; (24) $401,319; (25) $6,518,289; (26) $776,529; (27) $11,598,534.
WAYNE STATE		All figures are as of September 30, 1992.
		Includes Reuther Archives of Labor and Urban Affairs, and College of Pharmacy and Allied Health Professions.
	(1-3, 5-8)	Includes government documents; based on sampling.
	(14-15)	Includes 10 FTE College Work Study students not reported in previous years.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
WESTERN ONTARIO		Excludes libraries of three affiliated colleges and School of Library and Information Science.
		All figures are as of April 30, 1992.
	(1-3, 5-8)	Includes government documents.
	(15)	Figures based on 35 hour work week.
	(18)	Included in Monographs Expenditures (16).
	(22,23)	Professional and nonprofessional salaries and wages cannot be separated.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,228,527; (17) $3,626,464; (18) U/A; (19) 0; (20) $4,854,991; (21) $194,164; (22) U/A; (23) $U/a/A; (24) $758,353; (25) $8,913,619; (26) $823,785; (27) $14,786,559.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
WISCONSIN	(1)	1990-91 figure adjusted to reflect tape loaded records for government documents. Includes maps.
	(5, 7)	Includes some government documents serials that are cataloged, classified, and shelved as part of the general collection.
YALE		Includes Lewis Walpole Library in Farmington, Connecticut.
	(1-3, 5-8)	Excludes government documents.
	(1-4)	Figures based, in part, on estimated figures. Excludes typewritten, handwritten, and mimeographed works (treated as manuscript materials).
	(13)	Includes casual positions.
YORK		All figures are as of April 30, 1992.
		Includes Glendon Campus.
	(1-3, 5-8)	Includes government documents.
	(26)	Includes bibliographic utilities ($11,758 Can.) and online searching ($9728 Can.).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,788,769; (17) $2,497,633; (18) $18,328; (19) $87,332; (20) $4,392,062; (21) $206,057; (22) $3,269,405; (23) $4,359,716; (24) $737,665; (25) $8,366,786; (26) $1,335,994; (27) $14,300,899.

ASSOCIATION OF RESEARCH LIBRARIES

1991-92 ARL STATISTICS

ERRATA

The following errata were reported too late to be included in the 1991-92 *ARL Statistics*.:

North Carolina State University	
Salaries and wages - professional staff	$1,861,131
Salaries and wages - nonprofessional staff	2,215,752
Total Salaries and Wages	4,586,055
Total library expenditures	$9,592,998
University of Tennessee	
Number of nonprofessional staff, FTE	138
Number of student assistant, FTE	47
Total FTE staff	247

2/93

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